

Variety and Seed Study and Control Group





GEVES in a few words	3
Role and quality	4
Place an order	5
Your contacts at GEVES	6
Supply of samples to the SNES	7
Order an analysis	9
All Species	10
Beets - Chicorys - Potatoe	14
Protein crops	17
Cereal	21
Fodder plants	26
Seed mixture species	33
Fiber plants	34
Corn and sorghum	36
Oil plants	39
Micro-cleaning	44
Cytology	45
Radiography 2D and tomography	46
Biostimulation, Biocontrol, evaluation of treatment	47
Disease test supplies : inoculum and reference material	48
Sector support	49
Terms and Conditions	51

GEVES: A unique & official organisation in France

GEVES is a **Public Interest Group** with three founding partner organisations:



 The French National Research Institute for Agriculture, Food and Environment (INRAE) - 60%



• The French Ministry of Agriculture and Food (MAA) - 20%



The French Interprofessional Organisation for Seeds and Plants - 20%

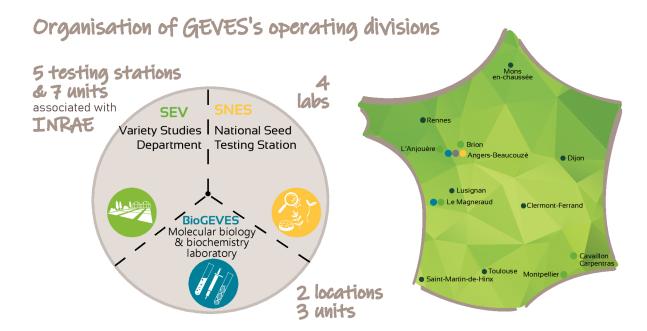
This unique set-up ensures GEVES's **independence** and **neutrality** in carrying out its activities in accordance with its regulatory and official missions and mandates. The union of state, research and sector expertise ensures that all aspects of the sector are fully taken into account.

Governance of GEVES

GEVES's Executive Board of Directors is composed of 13 members:

- 6 representatives from INRAE
- 2 representatives from the Ministry of Agriculture and Food
- 2 representatives from GNIS
- 2 staff representatives from GEVES
- The President of the CTPS

as well as a government controller (Ministry of Research) and a State Controller.



GEVES's missions

GEVES has official, regulatory missions and carries out testing activities and methodological development which is necessary for:

- National listing of new varieties in the Official French Catalogue
- ▶ Plant variety protection
- ▶ Official seed testing as part of its NRL mandates for seeds, GMOs. and plant health (RNQPmatrix seeds)

GEVES is also responsible for the national coordination of plant genetic resources on behalf of the Ministry of Agriculture.

GEVES is the National Reference Laboratory for:

- ▶ GMO detection: GMOs in maize (seed) and soya, rapeseed and flax (seed and vegetative parts) by Decree of 19 octobre 2015
- > quality testing of seeds and propagating material by Decree of 1 March 2017
- ▶ in the field of plant health by Decree of 20 November 2020

GEVES is an approved laboratory for certain seed health quality tests

GEVES is accredited by ISTA for all species. It carries out official testing, particularly for seed exports: for phytosanitary passports and certificates as well as Orange and Blue International Certificates (OIC and BIC).

GEVES makes its specialised expertise openly available to the plant and seed sectors, providing high-quality services to a range of private customers.

Activities

To carry out its missions, GEVES performs a wide range of activities:

- Description of varieties and evaluation of genetic progress
- ▶ Quality testing for seeds and seedlings
- ▶ Methodological research
- Management of plant genetic resources
- ▶ Training courses
- ▶ Exams
- ► Consulting and expertise
- ▶ International cooperation
- ▶ Monitoring of the French network of seed testing laboratories
- Organisation of Proficiency Tests (PT)
- Communication





Quality, Recognition & Accreditation

GEVES benefits from a global and harmonised Quality Management System.

GEVES is recognised as follows:



- ▶ Certification ISO 9001: version 2015 BioGEVES and VCUS variety testing (Value for Cultivation, Use and Sustainability)
- ▶ Accreditation of GEVES's SNES and BioGEVES laboratories by Cofrac according to ISO 17025 standard:
 - GEVES Beaucouzé: Cofrac N°1-1316 (since 2002).
 - GEVES Le Magneraud: Cofrac N°1-6176 (since 2004).
- ▶ Accreditation by ISTA since 2001 (N°FRDL0200) for seed testing
- ▶ Entrusted by the CPVO for DUS variety testing since 2012.



Seed quality testing **SNES**



ORDER YOUR ANALYSE ONLINE

http://dsn.geves.info

- Enter your order
- Print the order summary and attach it to to your sample

For faster processing of your request, please order online



SEND YOUR ORDER VIA POST

- Complete the form corresponding to your order (BIO request or analysis order form) and attach the form to your sample
- Send the sample to:

GEVES - Service clients SNES 3 rue Henri Becquerel - CS 90024 49071 Beaucouzé Cedex FRANCE

Biomolecular and biochemical testing BioGEVES



ORDER YOUR ANALYSE ONLINE

biogeves.analyses@geves.fr



SEND YOUR ORDER VIA POST

• Send the sample to:

Detection Unit

BioGEVES

3 rue Henri Becquerel - CS 90024 49071 Beaucouzé Cedex FRANCE

Genotyping/Biochemistry Unit

BioGEVES - Le Magneraud

CS 40052 - Saint-Pierre d'Amilly 17 700 Surgères FRANCE

Variety testing at the **SEV**



REQUEST A DENOMINATION TEST BY EMAIL

catherine.malatier@geves.fr



REQUEST A FIELD TEST DUS (Distinction Uniformity Stability)

celine.delarue@geves.fr

GEVES - Service clients SEV 25 rue Georges Morel - CS 90024 49071 Beaucouzé Cedex FRANCE

Your contacts at GEVES

To contact a GEVES staff member by email: firstname.surname@geves.fr

Sector support

- ✓ Training courses
- ✓ ILC
- Audits

Thibaut Decourcelle +33 (0)2 41 22 58 17

SNES Management



SNES Director Clotilde Polderman-Roussille 02 41 22 58 10



Assistant Estelle Bertel 02 41 22 58 02

Customer Services



Head of Customer Service and Sampling Alice Richard Jolly: +33 (0)2 41 22 58 13

Order tracking and results

+33 (0)2 41 22 58 22 +33 (0)2 41 22 58 19

Online ordering - DSN

+33 (0)2 41 22 58 21

SNES Technical Contacts



Head of Physical Analysis Laboratory Aurélie Charrier: +33 (0)2 41 22 58 40

> Radiography 2D/3D Sherif Hamdy +33 (0)2 41 22 58 30 Purity, micro-cleaning Philippe Pannetier +33 (0)2 41 22 58 43 Water content Céline Herbert +33 (0)2 41 22 58 30 Botanic Diogo Tobolski +33 (0)2 41 22 58 94



Head of Germination Laboratory Sylvie Ducournau: +33 (0)2 41 22 58 70

> Floral, vegetable, woody, pulses and Valérie Blouin +33 (0)2 41 22 58 78 forest species +33 (0)2 41 22 58 82 Pierre Soufflet Beetroot, vegetable, forage grasses

Agricultural crop species

Philippe Garreau +33 (0)2 41 22 58 77



Head of Pathology Laboratory Valérie Grimault: +33 (0)2 41 22 58 50

 Seed health Isabelle Serandat +33 (O)2 41 22 58 54 Variety resistance +33 (0)2 41 22 58 58 Sophie Perrot Seed treatment evaluation Geoffrey Orgeur +33 (0)2 41 22 58 56

BioGEVES

biogeves.analyses@geves.fr



Head of BioGEVES René Mathis +33 (0)2 41 22 58 34



Customer relationship Caroline Le Quilliec 05 17 06 00 43



SEV

Detection Unit Thomas Baldwin +33 (0)2 41 22 58 39



Biochemistry Unit Patricia Lem +33 (0)5 17 06 96 13



Genotyping Unit Arnaud Remay +33 (0)5 17 06 96 17

Rachel Tessier +33 (0)2 41 22 85 93

Contact the

BioGEVES

SEV

Head of Unit:



Head of SEV Fabien Masson 33 (0)2 41 22 85 91



SEV Customer Service Céline Delarue +33 (0)2 41 22 86 00 (field trials)



Denomination Tests Catherine Malatier +33 (0)2 41 22 86 22

Supply of samples to the SNES



The following information, listed on the SNES order form, is essential for processing seed samples:

- Treated seed and trade name of product. <u>No treated sample will be accepted for analysis without this information.</u>
- Thousand Seed Weight (TSW). This information is necessary to calculate the weight of sub-samples for baceteriology and virology. If this information is not indicated it will be invoiced.
- <u>Sample size</u>. Unless indicated differently, the sample size to be provided is expressed in number of seeds. If the quantity supplied is less than the quantity requested, the analysis will be carried out on all the seed supplied.

The sample size indicated is the minimum size set by the method (larger sizes can be offered).

- If the quantity supplied is less than the quantity requested, the analysis will be put on standby and we will contact you to send a new sample of the required size or for your agreement to carry out the analysis on all the seeds supplied.
- If you do not have the quantity requested and would like the analysis to be carried out on all the seeds sent, you must indicate this when making your request.

Please take care to send your seeds in anonymous boxes and/or paper sachets without any labels or commercial names.

If you are looking for a specific method or species which does not feature in our price list, please contact our Customers Service Department which will work with you to put together a testing programme tailored to your technical requirements and price range.



The SNES always works in compliance with the ISTA Rules, offering the same level of reliability of results, whatever the final certificate requested.

Physical quality: Provide the minimum weight prescribed in the ISTA Rules, Table 2C Column 3. If you are requesting several analyses of counting of all other seeds on the same sample, please provide the necessary quantities for these severals tests

Physiological quality: Germination test is carried out on a sample of 400 seeds in accordance with the ISTA Rules. Tests on 200 or 100 seeds are also possible depending on the need for precision. The precision of analyses is indicated in the ISTA tolerance tables.

If a germination test is requested without any specific purity analysis, pure seeds are sorted before the germination test. This analysis is not invoiced except for Grasses (*Poaceae*). This step is an integral part of the ISTA method for the evaluation of germinative faculty.

Quantity to provide for substrate checks, the retest is included in the quantities:

	Top of paper	Rolled	Pleated paper	Sand	Organic growing media
GE-SUB-1	20 sheets	12 sheets	12 sheets	10 kg	8 kg
GE-SUB-2	20 sheets	10 sheets	10 sheets	1 kg	1 kg
GE-SUB-3	16 sheets	10 sheets	2 sheets	1 kg	1 kg
GE-SUB-4	96 sheets	16 sheets	16 sheets	12 kg	10 kg



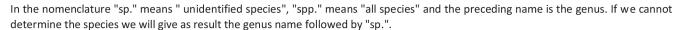
Please provide one sample per test requested with the corresponding quantity.

For OIC request, an ISTA method will be chosen if it exists.

Virology: Certain types of treatment may affect the analysis, seeds should therefore be sent untreated. If seeds has been treated with a virucidal product, please indicate this information on your request.

Mycology: The nomenclature of fungi evolves; we therefore modify the names of pathogens to follow it. We will indicate any pathogen synonyms in brackets in the price list and test results.

Supply of samples to the SNES



The denomination as sections has become obsolete, so the detection of *Fusarium*, apart from the identification (PA-ID-FUS), will be done by section classification. Some species-specific *Fusarium* will remain denominated with the species name (e.g. *F. oxysporum* on cucurbits).

Sections correspond to the classification of Nelson *and al.*; 1983, amended by Burgess *and al.*; 1994 and updated with molecular techniques (Leslie et Summerell; 2006, Carter *and al.*; 2000, Aoki et O'Donnel; 1999, Benyon *and al.*; 2000).

Former name	Current sections	Main species
	Roseum	F. avenaceum
Fusarium roseum	Discolor	F. culmorum, F. graminearum (Gibberella zeae),
rusurium roseum	Discolor	F.roseum (F. sambucinum), F.crookwellense
	Arthrosporiella	F. incarnatum (Fusarium semitectum)
	Constraint in the	F. poae, F. tricinctum (Gibberella tricincta), F.
5	Sporotrichiella	sporotrichioides, F.langsethiae
<i>Fusarium</i> sp.	611.1	F. equiseti (Gibberella intricans), F. acuminatum
	Gibbosum	(Gibberella acuminata)
[Gibberella fujikuroi (F. verticillioides, F.subglutinans),
Fusarium moniliforme	Liseola ou complexe G. fujikuroi	F. proliferatum
Fusarium oxysporum	F. Elegans	F. oxysporum
Fusarium solani	Martiella - Ventricosum	F. solani (Haematonectria haematococca)

This test is performed on 400 seeds according to the following criteria:

- Without superficial disinfection for most species. If the presence of saprophytes is to high the result will be "undetermined", a new test with superficial disinfection will be proposed.
- With superficial disinfection for species that are known to have saprophytes that can compromise the analysis.

For treated seeds, a test without superficial disinfection is indicated in the price list and will be chosen.

As the method allows the detection of several pathogens simultaneously, the main pathogens are in bold in this price list and will always be indicated on the certificate. For pathogens not in bold in this price list, their presence will be indicated on the certificate if their presence is high (> 5%) or if they were indicated when the analyses were requested.

For any request for the detection of other fungi, please contact us.

Order an analysis



To SNES

F - CN	FC	COEDAC	iC1
			certificate 1

	Price
By paper order form	
Handling of the request per submitted sample and issuing of a definitive SNES or COFRAC certificate, in French or English.	8.60
By internet on DSN website	
Handling of the request per submitted sample and issuing of a definitive SNES or COFRAC certificate, in French or English.	6.50
Specific handling	
Handling of the request per submitted sample sent in several packaging or weighing more than 2 kg requiring the preparation of a working sample, and issuing of a definitive SNES or COFRAC certificate, in French or English.	35.70
Supplementary certificates, specific presentation of results, priority	
Provisional certificate, in French or English.	3.70
Duplicate certificate, in French or English.	2.70
Summary table of results, or specific presentation of results.	28.00
Raw results on .csv file (request must be entered online on DSN website).	0.00
Priority processing, per sample.	16.80

¹ A SNES certificate is issued by default, except for COFRAC accredited tests (indicated by a *) for which a COFRAC certificate will be issued.

For an international certificate	
	Price
By paper order form	
Handling of each submitted sample and issuing of an International Orange or Blue Certicate, in French or English, with priority being given to the related analyses.	34.00
Supplementary certificates and request for changes	
Provisional international certificate, in French or English.	8.60
Duplicate international certificate, in French or English.	8.60
Modification of information on an international certificate (after checking the conformity with ISTA rules).	30.40

T				_	-	
To	161	O	C a	\rightarrow	V/	-5

Handl		

Handling and results	Price
	File
Handling	
Handling of the sample for treated seeds.	50.00
Results	
Duplicates analysis certificate except photography.	2.50
New edition of result certificate.	25.00
Specific presentation of results - Contact BioGeves.	/

All Species •

(Physiological quality ————————————————————————————————————				
Physiological quality		Size	Duration	Pric
Germination test		3126	Daration	7110
Supplement for an analysis in soil or sand if the primary support of the species is "top of" or "pleated" paper - on 400 seeds.	GE-FG-SUP4	/	/	13.5
Supplement for an analysis in soil or sand if the primary support of the species is "top of" or "pleated" paper - on 200 seeds.	GE-FG-SUP2	/	/	7.0
Complementary determinations in addition to the germination test	GE-FG-DET	1 250		36.0
Detailed description of seedlings and seeds - on 400 seeds. Detailed description of seedlings and seeds - on 200 seeds.	GE-FG-DET2 NEW	500	//	18.0
Percentage of a particular type of seedling.	GE-FG-PCPL	/		20.0
Provision of the result of repetitions.	GE-FG-REP			11.0
·	GE I G IIEI			
Additional testing time required Additional duration of 7 days for a germination test on 400 seeds.	GE-FG-7S4	1 250	,	14.1
Additional duration of 14 days for a germination test on 400 seeds.	GE-FG-14S4	500		28.2
Additional duration of 7 days for a germination test on 200 seeds.	GE-FG-7S2	500		7.1
Additional duration of 14 days for a germination test on 200 seeds.	GE-FG-14S2	500		14.2
, ,	GL-FG-1432	300		14.2
Verification of species	GE-ENR	,	,	
Verification of species after germination test.	GE-ENK	/	/	8.1
Tetrazolium viability test - For results within a week, reception of seeds on Tuesday				
at the latest.	OF T 7.4	500	,	450
Tetrazolium test on 400 seeds (excluding ornamental and fruit species).	GE-TZ-1	500	/	150.0
Tetrazolium test on 200 seeds (excluding ornamental and fruit species).	GE-TZ-2	300	/	100.0
Tetrazolium test on 100 seeds (excluding ornamental and fruit species).	GE-TZ-3	200	/	70.0
Energy Germination energy (intermediate counting; germination capacity supplement). The date of counting for the energy varies according to the species.	GE-EG	500	/	17.2
Vigour test Cold-test on 400 seeds.	GE-CO	1 250	/	60.0
Cold-test on 200 seeds.	GE-CO2	500		38.
Accelerated ageing of 200 seeds including germination capacity.	GE-VIEI-2	500	/	78.0
Controlled deterioration of 200 seeds including germination capacity.	GE-DET-1	500	/	78.
Conductivity test on 200 seeds on ISTA species. The moisture content of seeds should be between 10 and 14 %, sample must be send in a sealed foil sachet with the indication of the water content, otherwise it would be determined by us before the test and invoiced (see test TE-SN-01).	GE-CON-GLO	500	/	49.9
Treatment of seeds Treatment of seeds to be performed by SNES. Seeds do not undergo fungicide treatment before the germination test unless specifically requested (except for Beet).	GE-TRAIT	/	/	20.0
Substrate checks				
Determination of the water holding capacity of a substrate including moisture content.	GE-SUB-1	See p.7		79.0
Determination of the pH of a substrate.	GE-SUB-2	See p.7	1	51.0
Determination of the conductivity of a substrate.	GE-SUB-3	See p.7	1	51.0
Assessment of the innocuity of a substrate (determination of the % of seedlings intoxicated by the substrate, on 2 sensitive species).	GE-SUB-4	See p.7	/	116.0
/iability determination of seeds in a soil or a substrate.	GE-SUB-5		Conta	act SNE
Validation of a new substrate for germination.	GE-SUB-6		Conta	act SNE
Automated germination kinetics by image analysis				
Germination kinetics by image analysis (average rate of germination, kinetic curve).	GE-CI		Conta	act SNE
Supply of detailed data on imbibition and early elongation of the root.	GE-CI-4		Conta	act SNE
Supply of seeds images during germination.	GE-CI-5		Conta	act SNE
Seed health - Prior operations				
Seed Health - Phot operations				
Seed Health - Phot Operations		Size	Duration	Pri

All Species

Bacteriology - Uncoated seeds only				
		Size	Duration	Pric
Supplement fee for counting of colonies				
L pathogen in 5 000 seeds.	PA-BA-19	5 000		21.0
L pathogen in 30 000 seeds.	PA-BA-20	30 000		52.0
More than 1 pathogen in 5 000 seeds.	PA-BA-81	5 000		33.0
More than 1 pathogen in 30 000 seeds.	PA-BA-82	30 000	/	98.0
Pseudomonas syringae pv. aptata				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-121	5 000	38 days	231.0
Pseudomonas syringae pv. syringae				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-130			198.
	PA-BA-123	5 000	34 days	205.
Pseudomonas viridiflava				
Agar method + identification of strains by PCR in case of suspect colonies.	PA-BA-124	5 000	29 days	314.
	PA-BA-126	30 000	29 days	314.
Pseudomonas all pathovars				
sgar method + identification of strains by PCR in case of suspect colonies.	PA-BA-128	30 000	22 days	200.
Mycology - See p.7 "Seed health"				
		Size	Duration	Pri
usarium spp.				
dentification of <i>Fusarium</i> species in addition to detection test.	PA-ID-FUS	/	19 days	229.
/erticillium dahliae				
Agar method.	PA-ES-VERT	400	19 days	91.
Supplement for spore counting, washing methods				
Counting by classes (0;1-10;11-100;>100).	PA-MY-DCLA NEW	/	1	55.
Counting by unit.	PA-MY-DEN NEW	/	1	90.0
<u> </u>	PA-MY-DEN NEW	/	/	
Nematology	PA-MY-DEN NEW	, /	/ /	90.0
Nematology	PA-MY-DEN NEW	Size	/ / Duration	
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera	PA-MY-DEN NEW	Size	Duration	90.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae.				90.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera	PA-MY-DEN NEW PA-NE-SOL1	Size	Duration 30 days	90.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification				90.
Nematology Meterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification				90. Pri
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests		300 g	30 days	90. Pri 175.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Hetection and identification Other tests Lesistance of fungal isolates to fungicides.	PA-NE-SOL1	300 g	30 days Duration Cont	90. Pri 175. Pri act SN
Nematology deterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests desistance of fungal isolates to fungicides. tudy of the efficacy of seed disinfection/treatment products on medium or by bioassay.	PA-NE-SOL1 PA-AD-01	300 g	30 days Duration Cont	90. Pri 175. Pri act SN
Nematology Jeterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Jetection and identification Other tests Jesistance of fungal isolates to fungicides. Ludy of the efficacy of seed disinfection/treatment products on medium or by bioassay.	PA-NE-SOL1 PA-AD-01 PA-AD-02	300 g Size	30 days Duration Cont	90. Pri 175. Pri act SN
Nematology Meterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Meterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Meterodera group Goettingiana, Heterodera group Goettingiana, Heterodera group Avenae. Meterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Goettingiana, Heterodera group Goettingiana, Heterodera group Goettingiana, Heterodera group Avenae. Meterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Meterodera group Avenae. Meterodera group Goettingiana, Heterodera group Goettingiana, Het	PA-NE-SOL1 PA-AD-01 PA-AD-02	300 g Size 2 boxes /	30 days Duration Cont	90. Pri 175. Pri act SN act SN 43.
Nematology Seterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Lesistance of fungal isolates to fungicides. Lettudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. Lettification of pathogens isolated and provided on medium.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP	300 g Size 2 boxes /	30 days Duration Cont	90. Pri 175. Pri act SN 43.
Nematology Jeterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Jetection and identification Other tests Jesistance of fungal isolates to fungicides. Jetudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. Jetentification of pathogens isolated and provided on medium. Jesistance of strains from symptoms. Jetentification of strains from seeds. Jetentification of pathogens on plant material.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pri 175. Pri 43. 43.
Nematology Neterodera group Schachtii, Heterodera group Goettingiana, Heterodera roup Avenae. Netection and identification Other tests esistance of fungal isolates to fungicides. tudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. dentification of pathogens isolated and provided on medium. solation of strains from symptoms. solation of strains from seeds. dentification of pathogens on plant material. easibility on a case-by-case basis. Prices below are indicated for information. They will be	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pri 175. Pri 43. 43.
Nematology Neterodera group Schachtii, Heterodera group Goettingiana, Heterodera roup Avenae. Netection and identification Other tests esistance of fungal isolates to fungicides. tudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. Identification of pathogens isolated and provided on medium. Solation of strains from symptoms. Solation of strains from seeds. Identification of pathogens on plant material. easibility on a case-by-case basis. Prices below are indicated for information. They will be tharged depending on the observed symptoms.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pr 175. Pr Ract SN 43. 92. act SN
Nematology Seterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests desistance of fungal isolates to fungicides. tudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. dentification of pathogens isolated and provided on medium. Solation of strains from symptoms. Solation of strains from seeds. dentification of pathogens on plant material. deasibility on a case-by-case basis. Prices below are indicated for information. They will be tharged depending on the observed symptoms. Jandling of the sample.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pri 175. Pri act SN 43. 43. 92. act SN 49.
Nematology deterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests desistance of fungal isolates to fungicides. Itudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. Identification of pathogens isolated and provided on medium. Solation of strains from symptoms. Identification of pathogens on plant material. Identification of pathogens on the observed symptoms. Identification of the sample. Identification based on symptoms. Identification based on symptoms. Identification based on symptoms. Identification based on symptoms.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC PA-DI-PEC PA-DI-MICR	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pri 175. Pri 43. 43. 92. 449. 484.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Resistance of fungal isolates to fungicides. Retudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. Redentification of pathogens isolated and provided on medium. Scolation of strains from symptoms. Resolation of strains from seeds. Redentification of pathogens on plant material. Reasibility on a case-by-case basis. Prices below are indicated for information. They will be tharged depending on the observed symptoms. Readling of the sample. Redentification based on symptoms. Mycological identification after incubation.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC PA-DI-MICR PA-DI-MICR PA-DI-MY	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pri 175. Pri act SN 43. 43. 92. act SN 49. 49.
Reterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Resistance of fungal isolates to fungicides. Study of the efficacy of seed disinfection/treatment products on medium or by bioassay. Scolation of pathogens isolated and provided on medium. Scolation of strains from symptoms. Scolation of strains from seeds. Scolation of pathogens on plant material. Scolation of pathogens on plant material. Scolation of the sample. Scolation of the sample. Scolation of the sample. Scolation of the sample. Scolation of glanding on the observed symptoms. Scolation of the sample. Scolation of the sample of the	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC PA-DI-PEC PA-DI-MICR PA-DI-MY PA-DI-BA	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pr 175. Pr 43. 43. 92. 44. 173. 86.
Reterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Resistance of fungal isolates to fungicides. Redudy of the efficacy of seed disinfection/treatment products on medium or by bioassay. Identification of pathogens isolated and provided on medium. Resolation of strains from symptoms. Redultification of pathogens on plant material. Reasibility on a case-by-case basis. Prices below are indicated for information. They will be harged depending on the observed symptoms. Redultification based on symptoms. Redultification based on symptoms. Redultification based on symptoms. Redultification based on symptoms. Redultification after incubation. Reacteriological identification after incubation.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC PA-DI-PEC PA-DI-MICR PA-DI-MY PA-DI-BA PA-DI-PP	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pr 175. Pr 43. 43. 43. 42. 44. 173. 86. 105.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae. Detection and identification Other tests Resistance of fungal isolates to fungicides. Study of the efficacy of seed disinfection/treatment products on medium or by bioassay. Identification of pathogens isolated and provided on medium. Solation of strains from symptoms. Solation of strains from seeds. Identification of pathogens on plant material. Reasibility on a case-by-case basis. Prices below are indicated for information. They will be charged depending on the observed symptoms. Handling of the sample. Identification based on symptoms. Mycological identification after incubation. Reacteriological identification after incubation. Confirmation by pathogenicity test. Virological identification by immunological test.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC PA-DI-PEC PA-DI-MICR PA-DI-MY PA-DI-BA PA-DI-PP PA-DI-ELIS	300 g Size 2 boxes /	Duration Cont Cont 19 days	90. Pri 175. Pri act SN 43. 92. act SN 49. 84. 173. 86. 105.
Nematology Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera group Avenae.	PA-NE-SOL1 PA-AD-01 PA-AD-02 PA-AD-IP PA-ISOLEM PA-ISOSEM PA-DI-PEC PA-DI-PEC PA-DI-MICR PA-DI-MY PA-DI-BA PA-DI-PP	300 g Size 2 boxes /	Duration Cont Cont 19 days	90.0

All Species

Detection and identification of Melodogyme in soil by indexing. PA-NE-SOL2 1 kg 42 days 1 Determination of the identity and the varietal purity Size Duration	EVALUATION OF VARIETIES					
Detection and identification of Melotidogyme in soil by indexing. Determination of the Identity and the varietal purity Standard protocol. SEV-CVI SEV-CVI SEV-CVI SEV-CVI SEV-CVI Contact floor specific study. SEV-CVI SEV-CVI SEV-CVI Contact floor specific study. SEV-CVI SEV-CVI Contact floor specific study. SEV-CVI SEV-CVI Contact floor specific study. SEV-CVI SEV-CVI SEV-CVI SEV-CVI SEV-CVI Contact floor specific study. SEV-CVI SEV			_			_
Determination of the identity and the varietal purity Standard protocol	Nematology					
Standard protocol. SEV-CV 7 7 3				Size	Duration	Pric
Standard protocol. SEV-CV SEV-CV1 SEV-CV1 SEV-CV1 SEV-CV1 Cornate Genotypying by molecular biology Varietal identity control. BI-G-BM-SSR-CID-1 Contact Biod Co	Detection and identification of <i>Meloidogyne</i> in soil by indexing.	PA-NE-SOL2		1 kg	42 days	188.0
Standard protocol. SEV-CV1 SEV-CV1 SEV-CV1 SEV-CV1 SEV-CV1 Cornact Genotyping by molecular biology Varietal identity control. BI-G-BM-SSR-CID-1 Contact Biod Con	Determination of the identity and the varietal purity					
Specific study. Genotypping by molecular biology Varietal identity control. BI-G-BM-SSR-CID-1. Size Duration Varietal identity control. BI-G-BM-SSR-CID-1. Contact BioC Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PU-180 Contact BioC Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PU-180 Contact BioC Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-40 Contact BioC Seed mixture detection. BI-G-BM-SSR-PUR-40 Contact BioC Varietal description - SSR. BI-G-BM-SSR-PUR-40 Contact BioC Varietal description - SSR. BI-G-BM-SSR-PUR-90 Contact BioC Varietal description - SSR. BI-G-BM-SSR-PUR-90 Contact BioC Varietal identity control - SMP. BI-G-BM-SMP-COMP Contact BioC Varietal identity control - SMP. BI-G-BM-SMP-COMP Contact BioC Varietal description - SMP. BI-G-BM-SMP-COMP Contact BioC Genetic purity analysis - SMP. BI-G-BM-SMP-PUR Contact BioC Genetic purity analysis - SMP. BI-G-BM-SMP-PUR Contact BioC Varietal description - SMP. BI-G-BM-SMP-PUR Contact BioC Standardization of DMA concentration & distribution in plate. BI-G-CUST-GEN-3 Contact BioC Maryaridal description - SMP. BI-G-BM-SMP-PUR Contact BioC DMA assay. BI-G-CUST-GEN-3 Contact BioC DMA assay. BI-G-BM-SMP-PUR Contact BioC Costomised genotyping method. BI-G-BM-FIT Contact BioC Customised genotyping. BI-G-CUST-DEV-BPEC Contact BioC Contac	Determination of the identity and the varietal painty			Size	Duration	Pric
Genotyping by molecular biology Varietal identity control. Varietal comparison - SSR BI-G-BM-SSR-CDMP Contact BioG Genetic purity analysis - SSR - 180 g. Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact BioG Warietal purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact BioG Warietal description - SSR BI-G-BM-SSR-PUR-10 Contact BioG Varietal purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact BioG Warietal description - SSR BI-G-BM-SSR-PUR-90 Contact BioG Varietal description - SSR BI-G-BM-SSR-PUR-90 Contact BioG Warietal description - SSR-9 BI-G-BM-SSR-POMP Contact BioG Warietal description - SSR-9 BI-G-WSR-SSR-POMP Contact BioG Warietal description - SSR-9 BI-G-WSR-POMP Contact BioG Warietal description - SSR-9 BI-G-WSR-POMP Contact BioG Warietal description - SSR-9 BI-G-WSR-POMP Contact BioG Warietal description - SSR-9 Size Duration Glicosinolate content (IPIC). BI-B-C-UST-GEN-9 Contact BioG Glicosinolate content (IPIC). BI-B-WSR-POW-PIRC Contact BioG Glicosinolate content (IPIC). BI-B-WSR-POW-PIRC Contact BioG Glicosinolate content (IMR). BI-B-WSR-POW-PIRC Contact BioG Glicosinolate content (IMR). BI-B-WSR-POW-PIRC Contact BioG Glicosinolate content (IMR). BI-B-WSR-POW-PIRC Contact BioG Contact BioG Glicosino	Standard protocol.	SEV-CV		/	/	300.0
Varietal identity control. Varietal identity control. Varietal comparison - SSR. BI-G-BM-SSR-CID-1 Contract Blod Centic purity analysis - SSR - 180 g. BI-G-BM-SSR-PU-180 Contract Blod Centic purity analysis - SSR - 180 g. BI-G-BM-SSR-PUR-180 Contract Blod Centic purity analysis - SSR - 180 g. BI-G-BM-SSR-PUR-10 Contract Blod Centic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contract Blod Contract	Specific study.	SEV-CV1			Cor	tact SE
Varietal identity control. Varietal comparison - SSR. BI-G-BM-SSR-CID-1 Contact Bloc Genetic purity analysis - SSR - 180 g. BI-G-BM-SSR-PU-180 Contact Bloc Genetic purity analysis - SSR - 180 g. BI-G-BM-SSR-PUR-180 Contact Bloc Genetic purity analysis - SSR - 8 x 10 g. Seed mixture detection. BI-G-BM-SSR-PUR-10 Contact Bloc Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact Bloc Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact Bloc Varietal depution - SSR BI-G-BM-SSR-PUR-10 Contact Bloc DNA extraction. BI-G-BM-SSR-PUR-10 Contact Bloc Genetic purity analysis - SNP. BI-G-BM-SSR-PUR-10 Contact Bloc Genetic purity analysis - SNP. BI-G-BM-SNP-CIDD Contact Bloc Contact Bloc Genetic purity analysis - SNP. BI-G-BM-SNP-COMP Contact Bloc Contact Bloc Genetic purity analysis - SNP. BI-G-BM-SNP-COMP Contact Bloc Contact Bloc Genetic purity analysis - SNP. BI-G-BM-SNP-PUR Contact Bloc Genetic Bloc Genetic Gen			_			
Varietal identity control. BI-G-BM-SSR-CID-1 Contact Biod Genetic purity analysis - SSR - 180 g. BI-G-BM-SSR-PU-180 Contact Biod Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PU-190 Contact Biod Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact Biod Genetic purity analysis - SSR - 8 x 10 g. Varietal description - SSR. BI-G-BM-SSR-PUR-30 Contact Biod Contact Biod Genetic purity analysis. BI-G-BM-SSR-PUR-30 Contact Biod Varietal description - SSR. BI-G-BM-SSR-PUR-30 Contact Biod Varietal description - SSR. BI-G-BM-SSR-PUR-30 Contact Biod Cont	Genotyping by molecular biology					
Varietal comparison - SSR - 180 g. Genetic purty analysis - SSR - 180 g. Genetic purty analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PU-180 Contact Biod Genetic purty analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PU-180 Contact Biod Genetic purty analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PU-180 Contact Biod Varietal description - SSR. BI-G-BM-SSR-PU-80 Contact Biod DNA cortaction. BI-G-BM-SSR-PU-80 Contact Biod Contact Bi	Wariatal ideatifu acatual	DI C DM CCD CID 1		Size		Pric
Genetic purity analysis - SSR - 180 g. Genetic purity analysis - SSR - 8 x 10 g. Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-10 Contact Biod Cardial Biod Biod Biod Biod Biod Biod Biod Biod	·					
Genetic purity analysis - SSR - 8 x 10 g. BI-G-BM-SSR-PUR-40 Contact Biod Seed mixture detection. BI-G-BM-SSR-PUR-40 Contact Biod Cont						
Seed mixture detection. BI-G-BM-SSR-PUR-40 Contact Biod Varietal purity analysis. BI-G-BM-SSR-PUR-90 Contact Biod Cardieal Biod BM-SSR-PUR-90 Contact Biod Cardieal Biod Biod Biod Biod Biod Biod Biod Biod						
Varietal purity analysis. BI-G-BM-SSR-PUR-90 Contact Biod Varietal description - SSR. BI-G-BM-SSR-DVAR Contact Biod DNA extraction. BI-G-BM-SSR-DVAR Contact Biod Varietal description - SSR. BI-G-BM-SSR-PUD Varietal comparison - SNP. BI-G-BM-SNP-CID Contact Biod Varietal identity control - SNP. BI-G-BM-SNP-COMP Contact Biod Varietal description - SNP. BI-G-BM-SNP-COMP Contact Biod Contact Bio						
Varietal description - SSR. BI-G-BM-SSR-DVAR Contact BioG DNA extraction. BI-G-BM-SSR-CID Contact BioG Varietal identity control - SNP. BI-G-BM-SNP-CID Contact BioG Hybrid Conformity - SNP. BI-G-BM-SNP-COMF Contact BioG Varietal comparison - SNP. BI-G-BM-SNP-COMF Contact BioG Contact BioG Varietal comparison - SNP. BI-G-BM-SNP-DCOMF Contact BioG Migration run - Capillary sequencer - plate. BI-G-BM-SNP-DVA BI-G-BM-RUN Contact BioG Development of genotyping method. BI-G-BM-BH-BN-BOS Contact BioG Customised genotyping. BI-G-CUST Contact BioG Custom analysis. BI-B-CUST-DEV-RMN Contact BioG C						
DNA extraction. BI-G-BM-EXT Contact Biod Varietal identity control - SNP. BI-G-BM-SNP-COMF Contact Biod Varietal comparison - SNP. BI-G-BM-SNP-COMF Contact Biod Varietal comparison - SNP. BI-G-BM-SNP-COMP Contact Biod Varietal comparison - SNP. BI-G-BM-SNP-DUR Contact Biod Varietal description Varietal Biod Varietal description Varietal Biod Varietal Bio	Varietal purity analysis.					
Varietal identity control - SNP. BI-G-BM-SNP-CID Contact Biod Hybrid Conformity - SNP. BI-G-BM-SNP-COMP Contact Biod Varietal companison - SNP. BI-G-BM-SNP-COMP Contact Biod Confact Biod Migration run - Capillary sequencer - plate. BI-G-BM-RUN Confact Biod Migration run - Capillary sequencer - plate. BI-G-BM-RUN Confact Biod Development of genotyping method. BI-G-BM-RUN Confact Biod RNN - custom analysis. BI-B-CUST-DEV-SPEC Confact Biod RNN - custom analysis. BI-B-CUST-DEV-SPEC Confact Biod RNN - custom analysis. BI-B-CUST-DEV-NIPS Confact Biod RNN - custom analysis. BI-B-CUST-DEV-NIPS Confact Biod RNN - custom analysis. BI-B-CUST-DEV-NIPS Confact Biod Giucosinolate content (HPLC). BI-B-PIPC-GIU-GEN Confact Biod Giucosinolate content (HPLC). BI-B-PIPC-GIU-GEN Confact Biod	Varietal description - SSR.	BI-G-BM-SSR-DVAR			Contact B	ioGEVE
Hybrid Conformity - SNP. BI-G-BM-SNP-CONF Contact Biod Carlet Comparison - SNP. BI-G-BM-SNP-CONP Contact Biod Carlet Comparison - SNP. BI-G-BM-SNP-DVR Contact Biod Carlet Comparison - SNP. BI-G-BM-SNP-DVR Contact Biod Carlet Carl	DNA extraction.	BI-G-BM-EXT			Contact B	ioGEVE
Varietal comparison - SNP. Genetic purity analysis - SNP. Genetic purity analysis - SNP. BI-G-BM-SNP-PUR Contact Biod Cardial Biod Card	Varietal identity control - SNP.	BI-G-BM-SNP-CID			Contact B	ioGEVE
Genetic purity analysis - SNP. BI-G-BM-SNP-PUR Contact Biod Varietal description - SNP. Standardization of DNA concentration & distribution in plate. BI-G-CUST-GEN-3 Contact Biod Analysis of genetic diversity. BI-G-BM-SNP-DVAR Contact Biod Analysis of genetic diversity. BI-G-CUST-GEN-2 Contact Biod Migration run - Capillary sequencer - plate. BI-G-BM-RUN Contact Biod DNA assay. BI-G-BM-RUN Contact Biod Development of genotyping method. BI-G-BM-RUN Contact Biod Customised genotyping. BI-G-CUST Contact Biod Customised genotyping. BI-G-CUST Technological quality: biochemical tests Size Duration SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod Contact Biod CPG - custom analysis. BI-B-CUST-DEV-PRM Contact Biod CPG - custom analysis. BI-B-CUST-DEV-HILC Contact Biod CPG - custom analysis. BI-B-CUST-DEV-PRM Contact Biod CPG - custom analysis. BI-B-CUST-DEV-PRM Contact Biod CPG - custom analysis. BI-B-CUST-DEV-HILC Contact Biod	Hybrid Conformity - SNP.	BI-G-BM-SNP-CONF			Contact B	ioGEVE
Varietal description - SNP. Standardization of DNA concentration & distribution in plate. BI-G-CUST-GEN-3 Contact Biod Canalysis of genetic diversity. Migration run - Capillary sequencer - plate. BI-G-BM-RUN Contact Biod	Varietal comparison - SNP.	BI-G-BM-SNP-COMP			Contact B	ioGEVE
Standardization of DNA concentration & distribution in plate. BI-G-CUST-GEN-2 Contact Biod Analysis of genetic diversity. BI-G-CUST-GEN-2 Contact Biod DNA assay. BI-G-BM-DDS Contact Biod DNA assay. BI-G-BM-DDS Contact Biod DNA assay. BI-G-BM-DDS Contact Biod Customised genotyping method. BI-G-WETH Contact Biod Customised genotyping. BI-G-CUST Contact Biod Customised genotyping. BI-G-CUST Contact Biod Customised genotyping. BI-G-WETH Contact Biod Customised genotyping. Size Duration SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod Custom analysis. BI-B-CUST-DEV-SPEC Contact Biod Custom analysis. BI-B-CUST-DEV-NRN Contact Biod Custom analysis. BI-B-CUST-DEV-NRN Contact Biod Custom analysis. BI-B-CUST-DEV-NRS Contact Biod Contact Biod Custom analysis. BI-B-CUST-DEV-NRS Contact Biod Contact Biod Contact Biod Custom analysis. BI-B-CUST-DEV-NRS Contact Biod Contact Biod Customised Biod Customised Biod Customised Biod Customised Biod Biod-Biod Customised Biod Biod Biod Biod Biod Biod Biod Bio	Genetic purity analysis - SNP.	BI-G-BM-SNP-PUR			Contact B	ioGEVE
Analysis of genetic diversity. Migration run - Capillary sequencer - plate. Bi-G-BM-RUN Contact BioC Migration run - Capillary sequencer - plate. Bi-G-BM-RUN Bi-G-BM-RUN Contact BioC Contact BioC Development of genotyping method. Bi-G-METH Contact BioC Customised genotyping. Bi-G-CUST Contact BioC Technological quality: biochemical tests Size Duration SPEC - custom analysis. Bi-B-CUST-DEV-SPEC Contact BioC RNIN - custom analysis. Bi-B-CUST-DEV-RNIN Contact BioC NIRS - custom analysis. Bi-B-CUST-DEV-NIRS Contact BioC NIRS - custom analysis. Bi-B-CUST-DEV-NIRS Contact BioC Size Contact BioC Cont	Varietal description - SNP.	BI-G-BM-SNP-DVAR			Contact B	ioGEVE
Migration run - Capillary sequencer - plate. BI-G-BM-PODS Contact Biod Dave lopment of genotyping method. BI-G-BM-PODS BI-G-GUST Contact Biod Customised genotyping method. SPEC - customised genotyping. BI-G-CUST Contact Biod Size Duration SPEC - custom analysis. SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod Contact Biod Size Duration SPEC - custom analysis. BI-B-CUST-DEV-RMN Contact Biod Contact Biod Size Size Duration SPEC - custom analysis. BI-B-CUST-DEV-PREC Contact Biod Contact Biod Size Size Duration SPEC - custom analysis. BI-B-CUST-DEV-PREC Contact Biod Contact Biod Size Size Size Size Size Size Size Size	Standardization of DNA concentration & distribution in plate.	BI-G-CUST-GEN-3			Contact B	ioGEVE
Migration run - Capillary sequencer - plate. BI-G-BM-PODS Contact Biod Customised genotyping method. BI-G-BM-PODS BI-G-GUST Contact Biod Customised genotyping method. BI-G-CUST Contact Biod Customised genotyping. BI-G-CUST Contact Biod Customised genotyping. SPEC - custom analysis. SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod Customised analysis. BI-B-CUST-DEV-RMN Contact Biod Customised selection analysis. BI-B-CUST-DEV-PMRN Contact Biod Customised selection analysis. BI-B-CUST-DEV-PMS Contact Biod Custom analysis. BI-B-CUST-DEV-PMS Contact Biod Custom analysis. BI-B-CUST-DEV-NIRS Contact Biod Custom analysis. BI-B-CUST-DEV-NIRS Contact Biod Custom analysis. BI-B-CUST-DEV-NIRS Contact Biod Custom analysis. BI-B-SPEC-TAN-GEN Contact Biod Glucosinolate content (RPLC). BI-B-SPEC-TAN-GEN Contact Biod Glucosinolate content (HPLC). BI-B-PMC-GIU-GEN Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGIS NEW Contact Biod Glucosinolate content (NIRS). Spectrochlorophyll. Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-I Contact Biod Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-I Contact Biod Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-I Contact Biod Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-I Contact Biod Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-I Contact Biod Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RWN-I Contact Biod Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NIRS Customised Biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NIRS Customised Bio	Analysis of genetic diversity.	BI-G-CUST-GEN-2			Contact B	ioGEVE
DNA assay. Development of genotyping method. BI-G-METH Contact BioC Customised genotyping. BI-G-CUST Contact BioC Customised genotyping. BI-G-CUST Contact BioC RMM - custom analysis. BI-B-CUST-DEV-RMM Contact BioC Glucosinolate content (HPLC). BI-B-SPEC-TAN-GEN Contact BioC Glucosinolate content (HPLC). BI-B-NIRS-NGLS BI-B-NIRS-NGLS CONTACT BioC CONT	_ ·	BI-G-BM-RUN			Contact B	ioGEVE
Development of genotyping method. Customised genotyping. BI-G-CUST Contact Biod Customised genotyping. BI-G-CUST Contact Biod Customised genotyping. Size Duration SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod RMM - custom analysis. BI-B-CUST-DEV-RNN Contact Biod CPG - custom analysis. BI-B-CUST-DEV-LOFG Contact Biod CPG - custom analysis. BI-B-CUST-DEV-LOFG Contact Biod CPG - custom analysis. BI-B-CUST-DEV-LOFG Contact Biod Contact Biod Contact Biod Contact Biod Contact Biod Contact Biod BI-B-CUST-DEV-HPLC Contact Biod Contact Bio						
Customised genotyping. Technological quality: biochemical tests Size Duration SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod RMM - custom analysis. BI-B-CUST-DEV-RMM Contact Biod RMM - custom analysis. BI-B-CUST-DEV-LPPG Contact Biod NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact Biod NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact Biod Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Fatty acid composition. BI-B-CPG-AG-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPECT-FAT-GEN Contact Biod Con						
Size Duration SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact BioG RMN - custom analysis. BI-B-CUST-DEV-PPG Contact BioG CPG - custom analysis. BI-B-CUST-DEV-PPG Contact BioG CPG - custom analysis. BI-B-CUST-DEV-NIRS Contact BioG Glucosinolate content (APLC). BI-B-SPEC-TAN-GEN Contact BioG Glucosinolate content (HPLC). BI-B-NIRS-NGIS BI-B-NIRS-NGIS Spectrochlorophyll. Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-H Contact BioG Coltact BioG Contact B						
SPEC - custom analysis. BI-B-CUST-DEV-SPEC Contact Biod RMN - custom analysis. BI-B-CUST-DEV-RMN Contact Biod CPG - custom analysis. BI-B-CUST-DEV-PG Contact Biod NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact Biod NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact Biod NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact Biod Contact Biod Contact Biod Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPEC-CHLO NEW Contact Biod Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-H Contact Biod Oil content (NMR). BI-B-RMN-E Contact Biod Other tests WDV virus detection test by PCR. BI-D-VIR-WDV Annual subscription to the variety denomination class test	Technological quality: biochemical tests					
RMM - custom analysis. BI-B-CUST-DEV-RMN Contact BioC CPG - custom analysis. BI-B-CUST-DEV-CPG Contact BioC NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact BioC NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact BioC Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact BioC Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact BioC Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact BioC Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact BioC Spectrochlorophyll. BI-B-SPEC-TAN-GEN Contact BioC Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact BioC Oil content (NMR). BI-B-RMN-H Contact BioC Other tests Size Duration Contact BioC Other tests Annual subscription to the variety denomination class test				Size	Duration	Pric
CPG - custom analysis. BI-B-CUST-DEV-CPG Contact Biod NIRS - custom analysis. BI-B-CUST-DEV-HPLC Contact Biod Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (HPLC). BI-B-SPEC-TAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPEC-TAT-GEN Contact Biod Spectrochlorophyll. BI-B-SPEC-CHLO NEW Contact Biod Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Contac	SPEC - custom analysis.	BI-B-CUST-DEV-SPEC			Contact B	ioGEVE
NIRS - custom analysis. BI-B-CUST-DEV-NIRS Contact Biod HPLC - custom analysis. BI-B-CUST-DEV-HPLC Contact Biod Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Fatty acid composition. BI-B-CPG-AG-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (HPLC). BI-B-NIRS-NGLS Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact Biod Contact	RMN - custom analysis.	BI-B-CUST-DEV-RMN			Contact B	ioGEVE
HPLC - custom analysis. BI-B-CUST-DEV-HPLC Contact Biod Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Fatty acid composition. BI-B-CPG-AG-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (HPLC). BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact Biod Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-RMN-H Contact Biod Cont	CPG - custom analysis.	BI-B-CUST-DEV-CPG			Contact B	ioGEVE
Tannin content (assay by spectrophotometry). BI-B-SPEC-TAN-GEN Contact Biod Fatty acid composition. BI-B-CPG-AG-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (NIRS). BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact Biod Spectrochlorophyll. BI-B-SPEC-CHLO NEW Contact Biod Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Oil content (NMR). BI-B-RMN-H Contact Biod Other tests Other tests Size Duration Contact Biod Annual subscription to the variety denomination class test	NIRS - custom analysis.	BI-B-CUST-DEV-NIRS			Contact B	ioGEVE
Fatty acid composition. BI-B-CPG-AG-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Antitrypsic activity. BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGLS Spectrochlorophyll. BI-B-SPEC-CHLO Spectrochlorophyll. BI-B-SPEC-CHLO Spectrochlorophyll. BI-B-SPEC-CHLO Spectrochlorophyll. BI-B-CUST NEW Contact Biod Contact Biod Contact (NMR). BI-B-RMN-H Contact Biod Contact (NMR). BI-B-RMN-E Contact Biod Con	HPLC - custom analysis.	BI-B-CUST-DEV-HPLC			Contact B	ioGEVE
Fatty acid composition. BI-B-CPG-AG-GEN Contact Biod Glucosinolate content (HPLC). BI-B-HPLC-GLU-GEN Contact Biod Glucosinolate content (HPLC). BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGLS Spectrochlorophyll. BI-B-SPEC-CHLO Spectrochlorophyll. BI-B-SPEC-CHLO Spectrochlorophyll. BI-B-SPEC-CHLO Spectrochlorophyll. BI-B-CUST NEW Contact Biod Contact Biod Glucosinised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Contact (NMR). BI-B-RMN-H Contact Biod Glucosinised BI-B-RMN-E Contact Biod Glucosinised BI-B-RMN-E Contact Biod Glucosinised BI-B-RMN-E Contact Biod Glucosinised BI-B-RMN-E Other tests Size Duration Contact Biod Glucosinised BI-D-VIR-WDV Annual subscription to the variety denomination class test	Tannin content (assay by spectrophotometry).	BI-B-SPEC-TAN-GEN			Contact B	ioGEVE
Glucosinolate content (HPLC). Antitrypsic activity. BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact Biod Glucosinolate content (NIRS). Spectrochlorophyll. Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-SPEC-CHLO NEW Contact Biod Glucosinolate content (NIRS). BI-B-SPEC-CHLO NEW Contact Biod Glucosinolate content (NIRS). BI-B-RMN-H Contact Biod Glucosinolate content (NIRS). BI-B-RMN-H Contact Biod Glucosinolate content (NIRS). Size Duration WDV virus detection test by PCR. BI-D-VIR-WDV Contact Biod Glucosinolate content (NIRS). Annual subscription to the variety denomination class test		BI-B-CPG-AG-GEN			Contact B	ioGEVE
Antitrypsic activity. BI-B-SPECT-FAT-GEN Contact Biod Glucosinolate content (NIRS). Spectrochlorophyll. Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Contact (NMR). BI-B-RMN-H Contact Biod Contact B		BI-B-HPLC-GLU-GFN				
Glucosinolate content (NIRS). BI-B-NIRS-NGLS NEW Contact Biod Spectrochlorophyll. Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biod Contact Biod Contact Biod Contact Biod Contact (NMR). BI-B-RMN-H Contact Biod Contact Biod Contact (NMR). Water content (NMR). BI-B-RMN-E Contact Biod						
Spectrochlorophyll. Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biocommon Contact Bioc			NFW			
Customised biochemical molecule assays (NIRS model development, analytical chemistry). BI-B-CUST NEW Contact Biocommon Size Duration Water content (NMR). Size Duration WDV virus detection test by PCR. BI-D-VIR-WDV Contact Biocommon Size Duration	· ,					
Oil content (NMR). Water content (NMR). BI-B-RMN-E Contact Bio						
Other tests Size Duration WDV virus detection test by PCR. BI-D-VIR-WDV Contact Biod Annual subscription to the variety denomination class test			INEVV			
Other tests Size Duration WDV virus detection test by PCR. BI-D-VIR-WDV Contact BioG Annual subscription to the variety denomination class test	· · · · · ·					
Size Duration WDV virus detection test by PCR. Annual subscription to the variety denomination class test	water content (NIVIK).	DI-D-RIVIN-E			Contact B	IOGEVE
WDV virus detection test by PCR. Annual subscription to the variety denomination class test	Other tests					
Annual subscription to the variety denomination class test				Size	Duration	Pric
	WDV virus detection test by PCR.	BI-D-VIR-WDV			Contact B	ioGEVE
	Annual subscription to the variety denomination class to	est				
All species - 10 tests. SEV-DENOS-10 1						Pric
	All species - 10 tests.			SEV-DENOS	-10	185.0
All species - 20 tests. SEV-DENOS-20 3	All species - 20 tests.			SEV-DENOS	-20	350.0

All Species



All species - 200 tests.	SEV-DENOS-200	3110.00
PUBLICATIONS		
		Price
Germination analysis method sheet		
Germination method of different species.	GE-M-ESP	7.10
Technical sheet for analysis of specific purity and counting of all other seeds		
Purity and determination of other seeds by number: methodology.	AP-M-1	29.20
Identification data sheet of seeds and other impurities		
Echinochloa crus-galli, Echinochloa colona, Panicum capillare, Panicum maximum, Setaria pumila, Setaria veridis.	AP-A-01	29.20
Avena fatua-Avena sativa.	AP-A-02	29.20
Polygonaceae (Persicaria maculosa, Persicaria lapathifolia, Fallopia convolvulus, Polygonum aviculare, Rumex sp., Rumex acetosella, Rumex maritimus).	AP-A-03	29.20
Chenopodium sp., Atriplex sp., Amaranthus sp., Reseda sp., Myosotis sp.	AP-A-04	29.20
Asteraceae (Anthemis arvensis, Glebionis segetum, Chicorium sp., Tripleurospermum inodorum, Helminthotheca echioïdes, Lapsana communis, Lactuca sativa, Sonchus spp., Cirsium arvense, Cirsium vulgare, Centaurea cyanus).	AP-A-06	29.20
Cuscuta spp.	AP-P-1	29.20
Claviceps purpurea - Sclerotinia sclerotiorum.	AP-P-2	29.20
Self-control kit		
On request, components are sent separately accompanied with an instructional material. Contact SNES.	KIT-AUTO	/
I.D.Seed® On-line picture library, an aid to the identification of seeds - In French		
I.D.Seed® - Complete collection. Resgistration on http://mediatheque.geves.fr	IDSEED-1	0.00
Identification data sheet of fungal pathogens		
One data sheet per pathogen. Contact SNES for a list of available pathogens.	PA-T-PATH NEW	30.00
Identification data sheet of fungal saprophytes		
Sheet containing the main fungal saprophytes present in analysis on media.	PA-T-SAPR NEW	50.00

Beets - Chicorys - Potatoe

SEED QUALITY				
Physical quality				
		Size	Duration	Price
Calibration - Provide seeds in sealed foil sachets				
ISTA method (Denker device): inferior or equal to 6 grills.	MN-DK-CAL1	/	/	37.00
ISTA method (Denker device): superior or equal to 6 grills.	MN-DK-CAL2	/	/	48.00
Thousand-seed weight (on purity test performed by SNES)				
Thousand-seed weight on pure seeds.	MMS-01	/	/	29.40
Purity analysis test				
Purity - Beets, Chicory.	PU-IS-18	ISTA weight	1	29.60
Percentage of a specific type of other seeds. Specify the search to be performed for each species.	PU-CONS1 NEW	/	/	8.00
Percentage of a specific type of inert materials. Specify the search to be performed for each species.	PU-CONS2 NEW	/	/	8.00
Counting of all other seeds				
Full counting - Beets, Chicory.	SP-IS-17	ISTA weight	/	122.00
Counting of other seeds on purity weight. Indication of the number of other seeds in the specific purity test.	PU-SP-01	/	/	12.00
Limited counting of all other seeds				
Searching of 1 to 4 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-01	ISTA weight	/	57.00
Searching of 5 to 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-02	ISTA weight	/	91.00
Searching of more than 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-20		Cont	act SNES
Searching of <i>Orobanche</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-ORO	ISTA weight	/	66.00
Searching of <i>Striga</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-STRIGA	ISTA weight	/	66.00
Searching of <i>Orobanche</i> sp. and <i>Striga</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse	SP-ORO-STR	ISTA weight	/	98.00
performed on a separate, sealed, submitted subsample.				
Tests on coated seeds Purity of coated seeds.	PU-IS-21	2 500	,	30.60
Pelleting material removal and full counting on 2500 coated seeds. Only on UNTREATED seeds.	SP-ENR2500	2 500		91.00
Pelleting material removal and full counting on 7500 coated seeds. Only on UNTREATED seeds.	SP-ENR-TOT	7 500		275.00
Pelleting material removal and limited counting of other seeds from 1 to 3 botanical species, on 7500 coated seeds. Only on UNTREATED seeds.	SP-ENR-LIM	7 500	/	215.00
Moisture content - Provide seeds in sealed foil sachets from which as much air as				
possible has been extracted Oven method.	TE-SN-01	ISTA woight	,	18.40
	15-214-01	ISTA weight		10.40
Identification of individual seeds Visual identification by species.	ID-IS-01	1	/	30.80
visual facilities by species.	10 13 01	,		30.00
Physiological quality		-		
Germination test on 400 seeds		Size	Duration	Price
Beets (after washing and treatment).	GE-FG-03-4	1 250	/	63.00
Beets (pelleted seeds).	GE-FG-034E	1 250		47.90
Chicorys.	GE-FG-18-4	1 250		56.00
Germination test on 200 seeds				
Beets (after washing and treatment).	GE-FG-03-2	500	/	48.50
Beets (pelleted seeds).	GE-FG-032E	500	/	33.40
Chicorys.	GE-FG-18-2	500	/	45.10
Germination test on 100 seeds				
Beets (after washing and treatment).	GE-FG-03-1	500	/	31.10
Beets (pelleted seeds).	GE-FG-031E	500	/	23.90
Chicorys.	GE-FG-18-1	500	/	27.10
Cold test germination on 400 seeds				
Beets (after washing and treatment).	GE-EGFG-B4	1 250	/	90.00

Beets - Chicorys - Potatoe

Dhysiological quality		_	_	
Physiological quality		Size	Duration	Price
Cold test germination on 400 seeds				
Chicorys.	GE-EGFG-4	1 250	/	79.00
Cold test germination on 200 seeds				
Beets (after washing and treatment).	GE-EGFG-B2	500	/_	54.00
Chicorys.	GE-EGFG-2	500	/	47.10
Verification of species Verification of species after germination test.	GE-ENR	,	,	8.10
Additional determinations in addition to the germination test on 400 seeds	GL-LINK			8.10
Percentage of monogerm seed - Monogerms seeds.	GE-FG-MONO	/	/	11.80
Percentage of monogerm seed - Multigerms seeds.	GE-FGMONO1			25.80
Germination based on full seeds.	GE-FG-AMAN	/	/	8.70
Additional determinations in addition to the germination test on 200 seeds				
Percentage of monogerm seed - Monogerms seeds.	GE-FGMON2 NEW	/	/	7.10
Percentage of monogerm seed - Multigerms seeds.	GE-FGMON21 NEW	/	/	15.30
Pastavialany I lugantad anada auto				
Bacteriology - Uncoated seeds only		6:	D	D.i.
Swiss chard		Size	Duration	Price
Pseudomonas syringae pv. aptata				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-119	5 000	38 days	225.00
Chard				
Xanthomonas campestris pv. campestris				
Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/05).	PA-BA-117	5 000	41 days	200.00
Mycology - See p.7 "Seed health"				
		Size	Duration	Price
Beet				
Pleospora bjoerlingii (Phoma betae), Colletotrichum dematium, Fusarium oxysporum, Fusarium equiseti, Fusarium (other sections), Verticilium sp.				
Agar method.	PA-ES-BET	400	19 days	91.00
Peronospora farinosa (downy mildew)				
Seed wash method. UNTREATED seeds only.	PA-MI-BET	500	15 days	88.00
Cercospora beticola (leaf spot)				
Seed wash method. UNTREATED seeds only.	PA-CE-BET	500	15 days	88.00
Uromyces beticola (rust)				
Seed wash method. UNTREATED seeds only.	PA-RO-BET	500	15 days	88.00
Ramularia beticola (leaf spot).				
Seed wash method. UNTREATED seeds only.	PA-RAM-BET	500	15 days	88.00
Chicory				
Alternaria cichorii, Fusarium (all sections), Botrytis cinerea Agar method.	PA-ES-CHI	400	19 days	91.00
Agai method.	FA-L3-CHI	400	19 days	91.00
Nematology				
Trematology		Size	Duration	Price
Heterodera group Schachtii, Heterodera group Goettingiana, Heterodera				
group Avenae.				
Detection and identification	PA-NE-SOL1	300 g	30 days	175.00
Virology - Uncoated seeds only				
		Size	Duration	Price
Beet				
Beet necrotic yelllow vein virus (BNYVV) ⁴⁰				
ELISA.	PA-VI-41	2 000	16 days	213.00
Tomato black ring virus (TBRV)	DA 1// 27	2.000	16 4	450.00
ELISA.	PA-VI-37	2 000	16 days	150.00

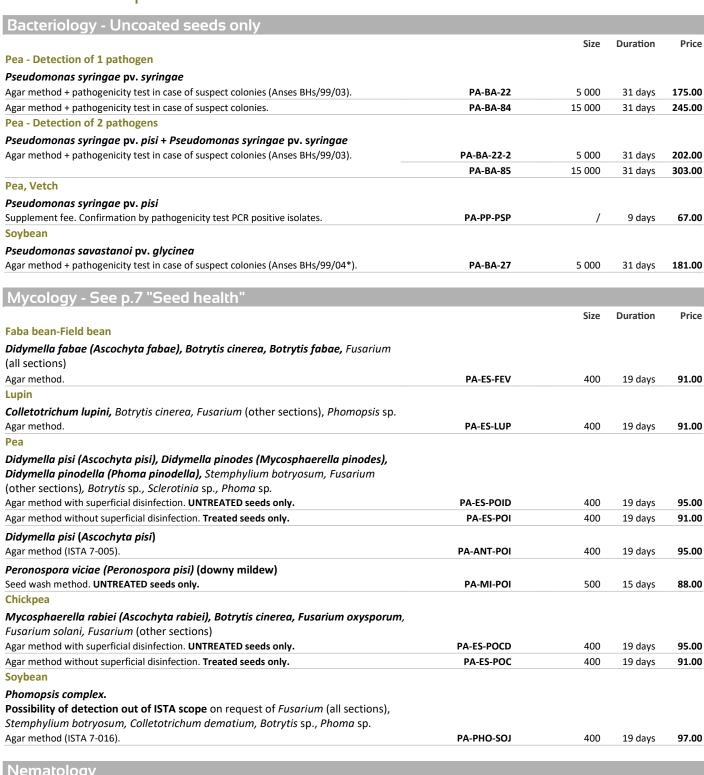
Beets - Chicorys - Potatoe

Beets - Chicorys - Potatoe				
VP1 Households on he				
Virology - Uncoated seeds only				
Deat		Size	Duration	Price
Beet				
Beet mosaic virus (BtMV) ELISA.	PA-VI-73		Cont	act SNES
Tobacco rattle virus (TRV)	FA-VI-73		COTTO	301 31123
ELISA.	PA-VI-82		Cont	act SNES
EVALUATION OF VARIETIES				
Varietal resistance				
		Size	Duration	Price
Beets				
Heterodera schachtii	DA D DET	7.5	,	777.00
Official protocol.	PA-R-BET	75	/	777.00
Aphanomyces cochlioides	DA D DET 1		Camb	CNEC
Official protocol.	PA-R-BET-1		Cont	act SNES
Rhizoctonia solani	DA D DET 3		Cont	oot CNEC
Evaluation of agressivity of an isolate. Potato	PA-R-BET-2		Cont	act SNES
Globodera pallida ⁴⁰				
Counting of eggs and larvae for resistant varieties. Directive 2007/33/CE.	PA-R-POM-1	8	/	741.00
Foot test (miniaturised test: 4 tubercules).	PA-R-POM-5	8		43.50
Globodera rostochiensis ⁴⁰				
Counting of eggs and larvae for resistant varieties. Directive 2007/33/CE.	PA-R-POM-3	8	/	714.00
Foot test (miniaturised test: 4 tubercules).	PA-R-POM-6	8	1	43.50
Different prices outside test periods. Contact SNES for information on the periods acco	ording to the species.			
Technological quality: biochemical tests				
		Size	Duration	Price
Chicory				
Asparagin content.	BI-B-SPEC-ASN		Contact B	ioGEVES
Beet	DI D CDEC DET		Carda d B	:- 65) (56
Betanine (red of Beetroot) assay by spectrophotometry.	BI-B-SPEC-BET		Contact B	IOGEVES
Field test by SEV				
Field test by SEV				Duine
DUC testing. Guess heat		CEV DUC E	FTC	Price
DUS testing - Sugar beet. DUS testing - Forage beet.		SEV-DHS-E SEV-DHS-E		965.00 965.00
DUS testing - Chicory.		SEV-DHS-		965.00
Resistance test for leaf blight and tuber blight for Potato . Contact aurelie.mailliard@ge	ves.fr		MIL NEW	/
PUBLICATIONS				
PODEICATIONS				
				Price
Germination analysis technical sheet				
Evaluation of Beet seedlings.		GE-T-	BET	29.20
Technical sheet for analysis of specific purity and counting of all other seeds				
Beta vulgaris.		AP-	.C-9	29.20
Identification data sheet of seeds and other impurities Astropogo (Anthonic gryonsis, Globionic segetum, Chicorium sp., Tripleurospermum in	odorum Halminthathass	AD A	06	20.20
Asteraceae (Anthemis arvensis, Glebionis segetum, Chicorium sp., Tripleurospermum inc echioïdes, Lapsana communis, Lactuca sativa, Sonchus spp., Cirsium arvense, Cirsium vu		AP-A	-00	29.20
Collection of seeds	<u> </u>			
Weed's identification for <i>Beta vulgaris</i> analysis. Contact SNES.		APCS-BE	T-V	/
Weed 3 identification for Beta Vargaris analysis. Contact Sives.				,

Protein crops •

SEED QUALITY				
Physical quality				
Thousand-seed weight (on purity test performed by SNES)		Size	Duration	Price
Thousand-seed weight on pure seeds.	MMS-01	/	/	29.40
Purity analysis test				
Purity - Field bean, Faba bean, Lupin, Pea.	PU-IS-02	ISTA weight	1	23.00
Percentage of a specific type of other seeds. Specify the search to be performed for each species.	PU-CONS1 NEW	/	/	8.00
Percentage of a specific type of inert materials. Specify the search to be performed for each species.	PU-CONS2 NEW	/	/	8.00
Counting of all other seeds Full counting - Field bean, Faba bean, Lupin, Pea.	SP-IS-02	ISTA weight	/	23.00
Counting of other seeds on purity weight. Indication of the number of other seeds in the specific purity test.	PU-SP-01	1	/	12.00
Limited counting of all other seeds				
Searching of 1 to 4 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-01	ISTA weight	/	57.00
Searching of 5 to 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-02	ISTA weight	/	91.00
Searching of more than 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-20		Conta	act SNES
Avena fatua - Pea.	SP-AF-3KG2	3 kg	/	60.00
Searching of <i>Orobanche</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-ORO	ISTA weight	/	66.00
Searching of <i>Striga</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-STRIGA	ISTA weight	/	66.00
Searching of <i>Orobanche</i> sp. and <i>Striga</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-ORO-STR	ISTA weight	/	98.00
Moisture content - Provide seeds in sealed foil sachets from which as much air as				
possible has been extracted Oven method.	TE-SN-01	ISTA weight	/	18.40
Supplement for moisture content test requiring pre-drying.	TE-SN-03 NEW	/ /		12.00
Determination of bitterness		,		
Bitter on Lupin .	AMER-LUP1	400	/	60.00
Identification of individual seeds				
Visual identification by species.	ID-IS-01	/		30.80
Physiological quality				
Germination test on 400 seeds		Size	Duration	Price
Field bean, Faba bean, Lupin, Pea, Soybean.	GE-FG-02-4	1 250	/	47.70
Germination test on 200 seeds				
Field bean, Faba bean, Lupin, Pea, Soybean.	GE-FG-02-2	500	/	39.50
Vigour test				
Conductivity test on 200 seeds on ISTA species. The moisture content of seeds should be between 10 and 14 %, sample must be send in a sealed	GE-CON-GLO	500	/	49.90
foil sachet with the indication of the water content, otherwise it would be determined by us before the test and invoiced (see test TE-SN-01).				
Accelerated ageing of 200 seeds including germination capacity.	GE-VIEI-2	500	/	78.00
Bacteriology - Uncoated seeds only				
Pea - Detection of 1 pathogen		Size	Duration	Price
Pseudomonas syringae pv. pisi				
Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	PA-BA-21	5 000	28 days	162.00
	PA-BA-70	15 000	28 days	240.00
Agar method + pathogenicity test in case of suspect colonies (ISTA 7-029).	PA-BA-21-1	5 000	31 days	171.00

Protein crops

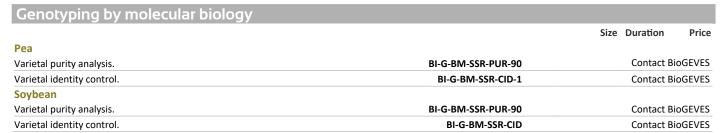


Nematology				
		Size	Duration	Price
Faba bean				
Ditylenchus dipsaci and/or gigas				
Filtration (Anses MOA013 parts A and B*). UNTREATED seeds only.	PA-NE-FEV	300 g	16 days	65.00
Test carried out on the whole submitted sample. If the supplied quantity is too important,				
a new sample will be requested.				
Detection on plants. Filtration (Anses MOA013 parts A and B).	PA-NE-PLAF		16 days	73.00

Protein crops

·				
Nematology				
		Size	Duration	Price
Pea				
Ditylenchus dipsaci Filtration (Anses MOA013 parts A and B*). UNTREATED seeds only. Test carried out on the whole submitted sample. If the supplied quantity is too important, a new sample will be requested.	PA-NE-POIS	70 g	16 days	65.00
Virology - Uncoated seeds only				
Pea		Size	Duration	Pric
Tomato black ring virus (TBRV)				
ELISA.	PA-VI-37	2 000	16 days	150.0
Pea early browning virus (PEBV) ELISA (ISTA 7-024).	PA-VI-31	2 000	16 days	145.0
Pea enation mosaic virus (PEMV)				
ELISA.	PA-VI-57	2 000	16 days	215.0
Pea seed borne mosaic virus (PSbMV) ELISA (ISTA 7-024).	PA-VI-11	2 000	16 days	145.0
Bean yellow mosaic virus (BYMV)	LW-AI-TT	2 000	10 days	143.0
ELISA.	PA-VI-60		Cont	act SNES
Bean leaf roll virus (BLRV)				
ELISA.	PA-VI-67		Cont	act SNES
Southern bean mosaic virus (SBMV) ELISA.	PA-VI-88		Cont	act SNES
Broad bean true mosaic virus (BBTMV)	24.14.50		Caral	CNE
ELISA. <mark>Soybean</mark>	PA-VI-50		Cont	act SNES
Soybean mosaic virus (SMV)				
ELISA.	PA-VI-13		Cont	act SNES
EVALUATION OF MARIETIES				
EVALUATION OF VARIETIES			_	
Varietal resistance		Size	Duration	Pric
Pea		3126	Duration	riic
Ascochyta pisi race C				
Official protocol.	PA-R-POI-1	30	/	89.0
Fusarium oxysporum f. sp. pisi race 1				
Official protocol.	PA-R-POI-2	30	/	99.0
BYMV (<i>Bean yellow mosaic virus</i>) Official protocol.	PA-R-POI-3	30	/	89.0
PEMV (Pea enation mosaic virus)			,	
Official protocol.	PA-R-POI-4	30	1	89.0
Erysiphe pisi				
Official protocol.	PA-R-POI-5	30	/	147.0
Different prices outside test periods. Contact SNES for tests outside periods (March - April)				
Genotyping by protein profiling				
See hours		Size	Duration	Pric
Soybean Varietal comparison by isoenzyme electrophoresis.	BI-G-EL-COMP-S		Contact E	linGFVF
Purity control by iso-enzymatic electrophoresis - 100 g.	BI-G-EL-PUR-S-100G		Contact E	
Description of a variety for 6 loci on 20 seeds.	BI-G-EL-DVAR-S		Contact E	
Purity test of a batch for 6 loci out of 200 seedlings.	BI-G-EL-PUR-S-200G		Contact E	BioGEVES

Protein crops



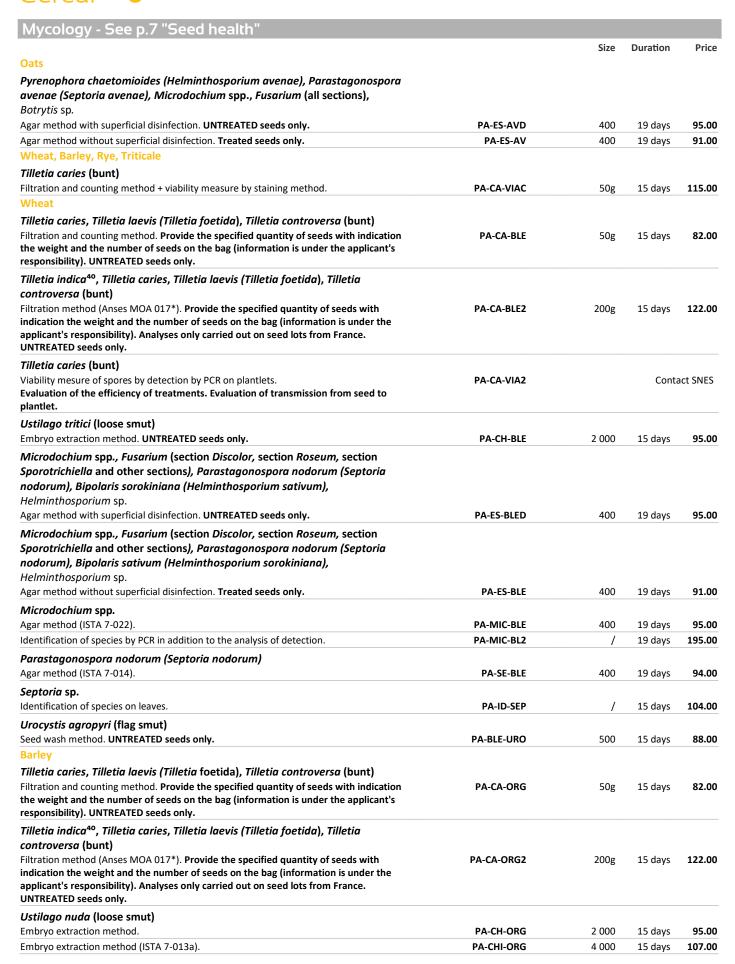
Technological quality : biochemical tests		
		Size Duration Price
Field Bean, Pea		
Protein content (NIRS).	BI-B-NIRS-P	Contact BioGEVES
Antitrypsic factors (assay by spectrophotometry).	BI-B-SPEC-FAT	Contact BioGEVES
Tannin content (assay by spectrophotometry).	BI-B-SPEC-TAN	Contact BioGEVES
Vicin and convicine content (faba) by high performance liquid chromatography (HPLC).	BI-B-HPLC-VCCV	Contact BioGEVES
Soybean		
Protein content (NIRS).	BI-B-NIRS-P	Contact BioGEVES
Antitrypsic factors (assay by spectrophotometry).	BI-B-SPEC-FAT	Contact BioGEVES

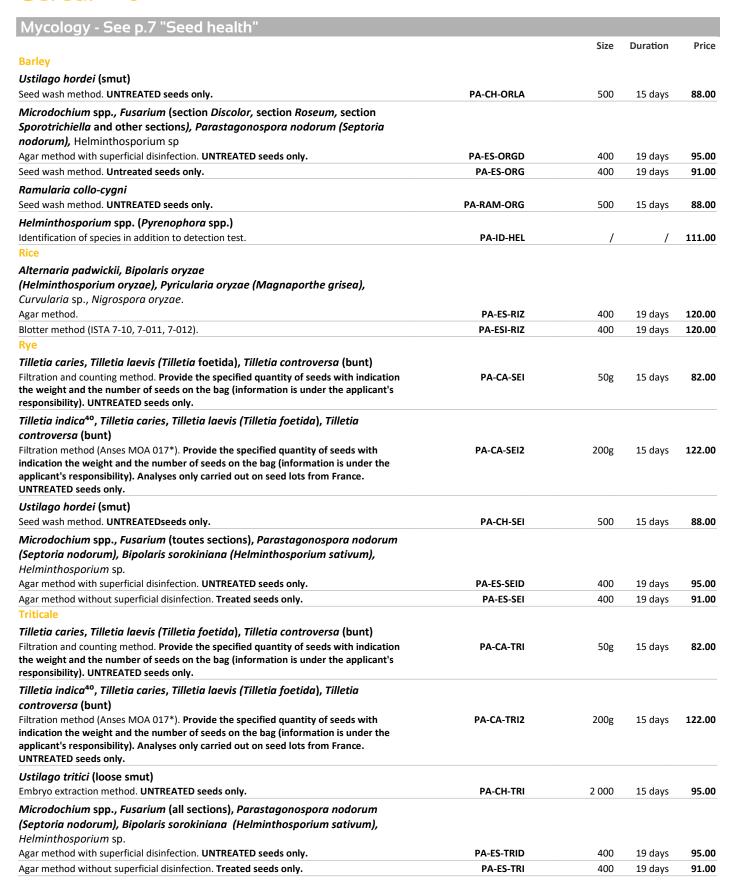
Detection, identification and quatification of GMOs			
		Size Duration Pr	rice
Soybean			
Detection of the adventitious presence of GMOs in raw products (seeds, grains). List of methods available on request.	BI-D-OGM1	Contact BioGEV	/ES
Identification and quantification of GMO events. List of methods available on request.	BI-D-OGM3	Contact BioGEV	/ES

Field test by SEV	
	Price
DUS testing - Field bean, Lupin. SEV-DHS-FEVLU	JP 965.00
DUS testing - Lentil. SEV-DHS-LI	N 1180.00
DUS testing - Spring peas. SEV-DHS-PO	IP 1180.00
DUS testing - Winter peas. SEV-DHS-PO	IH 1180.00
DUS testing - Chickpea. SEV-DHS-PO	IC 1180.00
DUS testing - Soybean. SEV-DHS-S	OJ 1080.00

PUBLICATIONS		
		Price
Method sheet		
Vigour testing – Conductivity - Pea.	VIG-2-M	7.10
Germination analysis technical sheet		
Evaluation of Pea seedlings.	GE-T-POI	29.20
Evaluation of Faba seedlings.	GE-T-FEV	29.20
Technical sheet for analysis of specific purity and counting of all other seeds		
Pisum sativum, Vicia faba.	AP-C-8	29.20
Cicer arietinum.	AP-C-12	29.20
Collection of seeds		
Weed's identification for <i>Pisum sativum</i> and <i>Vicia faba</i> analysis. Contact SNES.	APCS-PIS-S	



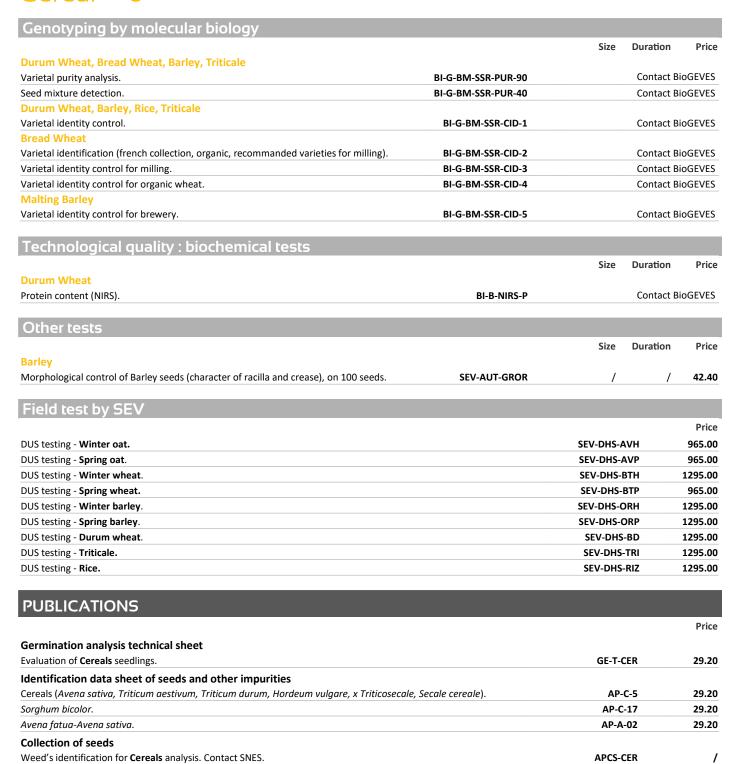




Nematology				
Oats		Size	Duration	Price
Ditylenchus dipsaci				
Filtration (Anses MOA013 parts A and B*). UNTREATED seeds only. Test carried out on the	PA-NE-AV	200g	16 days	65.0
whole submitted sample. If the supplied quantity is too important, a new sample will be		0	,	
requested.				
Rice				
Aphelenchoïdes besseyi Grinding + filtration (ISTA 7-025). UNTREATED seeds only.	PA-NE-RIZ NEV	V 1 000	16 days	71.0
Grinding - Induction (15174 7 025). Grinteries seeds only.	TARE ME	1000	10 days	71.0
Virogoly - Uncoated seeds only				
		Size	Duration	Pric
Wheat, Barley				
Barley stripe mosaic virus (BSMV)				
ELISA.	PA-VI-45		Conta	ct SNES
				-
EVALUATION OF VARIETIES				
Varietal resistance				
Wheat		Size	Duration	Price
WSSMV (Wheat spindle streak mosaic virus)				
Detection by ELISA.	PA-R-BLE-1	20 plants	/	78.0
SBCMV (Soil-borne cereal mosaic virus)				
Detection by ELISA.	PA-R-BLE-2	20 plants	/	78.0
Tilletia caries				
Method by grow -out and detection on plantlets by PCR (declining price depending on the	PA-R-BLE-3		Conta	ct SNES
number of varieties, exemple of price: 532€ per variety for a request of 4 varieties in study).				
Barley				
BaMMV (Barley mild mosaic virus)				
Detection by ELISA.	PA-R-ORG1	20 plants	/	78.0
BaYMV (Barley yellow mosaic virus)				
Detection by ELISA.	PA-R-ORG2	20 plants	/	78.0
Wheat, Barley				
BaMMV (Barley mild mosaic virus) Detection by PCR.	BI-D-VIR-MOSA1		Contact Bi	oGEVES
BaYMV (Barley yellow mosaic virus)	DI D VIII WOODAL		Contact Bi	OGLVES
Detection by PCR.	BI-D-VIR-MOSA2		Contact Bi	oGEVES
Pathotype identification dCAPS method (Y1/Y2).	BI-D-V-DCAPS		Contact Bi	oGEVES
BYDV (Barley yellow dwarf virus)				
Detection and identification of BYDV-MAV, BYDV-PAV, BYDV-SGV and BYDV-RPV by PCR.	BI-D-V-JNO		Contact Bi	oGEVES
WDV (Wheat dwarf virus)				
Detection by PCR.	BI-D-VIR-MOSA5		Contact Bi	oGEVES
SBWMV (Soil-borne wheat mosaic virus)	DLD VID MOCAA		Contact Bi	۰٬۲۲۷
Detection by PCR.	BI-D-VIR-MOSA4		COIILACL DI	OGEVES
SBCMV (Soil-borne cereal mosaic virus) Detection by PCR.	BI-D-VIR-MOSA3		Contact Bi	oGEVES
WSSMV (Wheat spindle streak mosaic virus)				
Detection by PCR.	BI-D-VIR-MOSA6		Contact Bi	oGEVES
Different prices outside test periods. Contact SNES for tests outside periods (March - April)				
Genotyping by protein profiling				
		Size	Duration	Price
Durum Wheat				
Research and characterisation of LMW1 and LMW2 bands for the varieties of Durum wheat 1	BI-G-EL-LMW		Contact B	ioGEVES

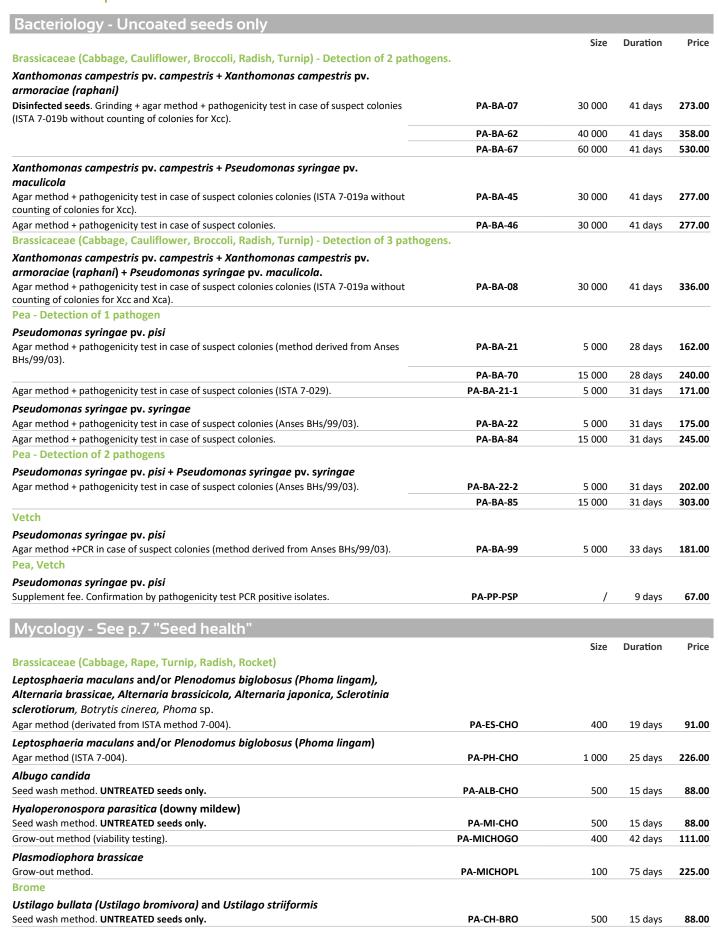
GEVES PRICE LIST

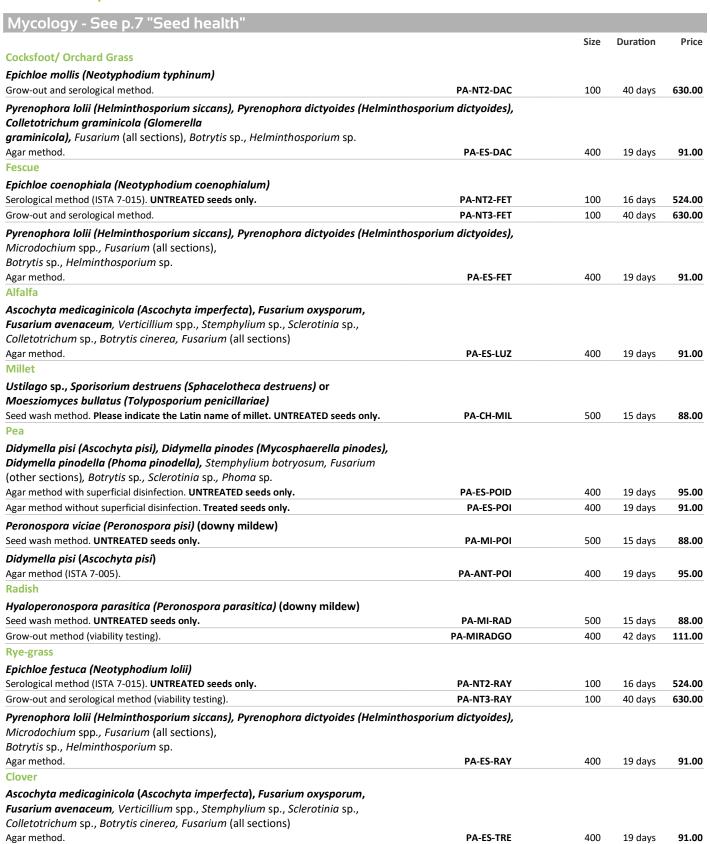
variety x 5.



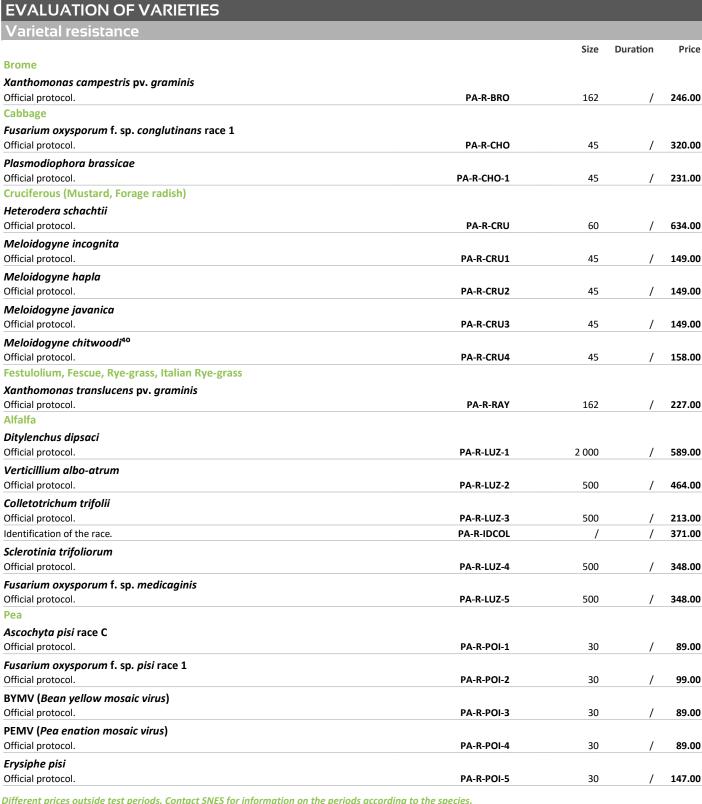
SEED QUALITY Physical quality Size Duration Price Thousand-seed weight (on purity test performed by SNES) Thousand-seed weight on pure seeds. MMS-01 29.40 Preparation of pure seeds for germination test All forage grasses species. PU-PR-GRA NEW ISTA weight 28.40 **Purity analysis test** Purity - Field bean, Faba bean, Lupin, Pea. PU-IS-02 ISTA weight 23.00 Purity leguminous - Bermuda grass, Fenugreek, Birds-foot trefoil, Alfalfa, Black Medick, PU-IS-FOU1 NEW ISTA weight 42.60 Phacelia, Plantain, Sainfoin, Clover, Vetch. Purity grasses - Festulolium, Tall fescue, Sweet vernal grass, Tall oat grass, Bahia grass, PU-IS-FOU2 NEW ISTA weight 65.00 Harding grass, Rye grass, Meadow foxtail. Purity grasses - Bent-grass, Yellow oatgrass, Brome, Tufted hair grass, Cocksfoot, Sheep PU-IS-FOU3 NEW ISTA weight 76.00 fescue, Red fescue, Meadow fescue, Meadow grass. PU-CONS1 NFW Percentage of a specific type of other seeds. Specify the search to be performed for each 8.00 Percentage of a specific type of inert materials. Specify the search to be performed for each PU-CONS2 NFW 8.00 species. Counting of all other seeds 23.00 Full counting - Field bean, Faba bean, Lupin, Pea. SP-IS-02 ISTA weight Full counting leguminous - Alfalfa, Black Medick, Clover, Phacelia, Narrow-leaf plantain. SP-IS-LEG1 NEW 132.00 ISTA weight Full counting leguminous - Fenugreek, Birds-foot trefoil, Sainfoin, Vetch. SP-IS-LEG2 NEW ISTA weight 200.00 Full counting grasses - Festulolium, Tall fescue, Sweet vernal grass, Tall oat grass, Bahia grass, SP-IS-GRA1 NEW 280.00 ISTA weight / Harding grass, Rye grass, Meadow foxtail. Full counting grasses - Bent-grass, Yellow oatgrass, Brome, Tufted hair grass, Cocksfoot, SP-IS-GRA2 NEW ISTA weight 179.00 Sheep fescue, Red fescue, Meadow fescue, Meadow grass. Counting of other seeds on purity weight. Indication of the number of other seeds in the PU-SP-01 12.00 specific purity test. Limited counting of all other seeds Searching of 1 to 4 species (except for *Orobanchaceae*). Indicate the name of the species to be SP-LI-01 ISTA weight 57.00 searched. Searching of 5 to 8 species (except for Orobanchaceae). Indicate the name of the species to be SP-LI-02 ISTA weight 91.00 searched. Searching of more than 8 species (except for Orobanchaceae). Indicate the name of the SP-LI-20 Contact SNES species to be searched. Searching of Cuscuta spp. - Trefoil, White clover, Hybrid clover, Micheli's clover, Strawberry SP-CU100-T < 100g 80.00 clover, Arrowleaf clover. SP-CU250-T 150 to 300g 231.00 SP-CU500-T 400 to 600g 418.00 Searching of Cuscuta spp. - Alfalfa, Black medick, Red clover, Carnation clover, Egyptian SP-CU100-P NEW < 100g 33.20 clover. Persian clover. SP-CU250-P 150 to 300g 81.00 SP-CU500-P 400 to 600g 157.00 SP-AF-3KG2 60.00 Searching of Avena fatua - Pea, Vetch. 3 kg Searching by Veskof type - Alfalfa, Black medick, Clover. 158.00 SP-VE-02 Contacter la SNES SP-VE-AUTR NEW Searching by Veskof type - Other species. SP-DESHY 75.00 Searching by dehydration standard on Alfalfa. Searching of Orobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on SP-ORO ISTA weight 66.00 a separate, sealed, submitted subsample. Searching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a SP-STRIGA ISTA weight 66.00 separate, sealed, submitted subsample. Searching of Orobanche sp. and Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse SP-ORO-STR ISTA weight / 98.00 performed on a separate, sealed, submitted subsample. Tests on coated seeds Purity of coated seeds. PU-IS-21 2 500 30.60 Pelleting material removal and full counting on 2500 coated seeds. Only on UNTREATED seeds. SP-ENR2500 2 500 91.00 Pelleting material removal and full counting on 7500 coated seeds. Only on UNTREATED seeds. SP-ENR-TOT 7 500 275.00 Pelleting material removal and limited counting of other seeds from 1 to 3 botanical species, on SP-ENR-LIM 7 500 215.00 7500 coated seeds. Only on UNTREATED seeds.

Physical quality				
		Size	Duration	Pric
Moisture content - Provide seeds in sealed foil sachets from which as much air as				
possible has been extracted				
Oven method.	TE-SN-01	ISTA weight	/	18.4
dentification of individual seeds				
/isual identification by species.	ID-IS-01	/		30.8
Physiological quality				
		Size	Duration	Pri
Germination test on 400 seeds				
Festulolium, Tall fescue, Fenugreek, Timoty, Harding grass, Birdsfoot trefoil, Alfalfa, Black	GE-FG-06-4	1 250	/	57.0
medick, Rye grass, Sainfoin, Clover, Meadow foxtail. Bent-grass, Yellow oatgrass, Brome, Bermuda grass, Cocksfoot, Meadow fescue, Sheep fescue,	GE-FG-09-4	1 250		66.0
Red fescue, Tall oat grass, Meadow grass, Vetch.	GE-FG-09-4	1 230	/	00.0
odder kale, Forage pea, Forage radish.	GE-FG-18-4	1 250	/	56.0
Germination test on 200 seeds				
Festulolium, Tall fescue, Fenugreek, Timoty, Harding grass, Birdsfoot trefoil, Alfalfa, Black	GE-FG-06-2	500	/	39.0
nedick, Rye grass, Sainfoin, Clover, Meadow foxtail.				
Bent-grass, Yellow oatgrass, Brome, Bermuda grass, Cocksfoot, Meadow fescue, Sheep fescue,	GE-FG-09-2	500	/	44.
Red fescue, Tall oat grass, Meadow grass, Vetch. Fodder kale, Forage pea, Forage radish.	GE-FG-18-2	500		45.
Fluorescence	GL-FG-10-2	300		43.
Fluorescence of Rye grass roots on 400 seedlings (germination and identification).	FLUO-1	/	/	99.
Enables distinguishing <i>Lolium perenne</i> showing no fluorescence unlike <i>Lolium multiflorum</i> and	1100-1	,	,	33.
olium boucheanum these exhibit fluorescent roots.				
Bacteriology - Uncoated seeds only				
		Size	Duration	Pri
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen				
Canthomonas campestris pv. campestris				
Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without	PA-BA-04	30 000	41 days	190.
counting of colonies).	PA-BA-57	40 000	41 days	227.
	PA-BA-63	60 000	41 days	326.0
Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies	PA-BA-105	30 000	41 days	226.0
ISTA 7-019b without counting of colonies).			,	
	PA-BA-58	40 000	41 days	296.0
	PA-BA-64	60 000	41 days	439.0
Agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA	PA-BA-03	30 000	41 days	200.0
7-019a). Disinfected seeds . Grinding + agar method + counting of colonies + pathogenicity test in	PA-BA-05	30 000	41 days	238.0
case of suspect colonies (ISTA 7-019b).	1 A-DA-03	30 000	41 day3	230.
(anthomonas campestris pv. armoraciae (raphani)				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-29	30 000	41 days	175.
	PA-BA-59	40 000	41 days	230.
	PA-BA-65	60 000	41 days	326.
Disinfected seeds. Grinding + agar method + pathogenicity test in case of suspect colonies.	PA-BA-30	30 000	41 days	226.
	PA-BA-60	40 000	41 days	296.
	PA-BA-66	60 000	41 days	439.0
Pseudomonas syringae pv. maculicola				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-10	30 000	41 days	180.0
Disinfected seeds. Grinding + agar method + pathogenicity test in case of suspect colonies.	PA-BA-33	30 000	41 days	230.
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
Kanthomonas campestris pv. campestris + Xanthomonas campestris pv.				
armoraciae (raphani) Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without	PA-BA-06	30 000	41 days	230.
counting of colonies for Xcc and Xca).	FA-DA-00	30 000	→1 udyS	230.0
-	PA-BA-61	40 000	41 days	282.0
	PA-BA-78	60 000	41 days	404.0
			•	





N		_	_	
Nematology				
Alfalfa		Size	Duration	Pric
Detection by Seed Extract PCR and/or morphobiometry (GEVES M-GEVES/SV/MO/001*).	PA-NE-LUZG NEW	200 g	10 days	55.0
UNTREATED seed only. If the supplied quantity is too important, a new sample will be requested.				
Pea				
Ditylenchus dipsaci				
Filtration (Anses MOA013 parts A and B*). UNTREATED seeds only.	PA-NE-POIS	70 g	16 days	65.
Fest carried out on the whole submitted sample. If the supplied quantity is too important,				
a new sample will be requested.				
Rye-grass				
Ditylenchus dipsaci	DA NE DAY	70 -	46 -	
Filtration (Anses MOA013 parts A and B*). UNTREATED seeds only. Fest carried out on the whole submitted sample. If the supplied quantity is too important,	PA-NE-RAY	70 g	16 days	65
a new sample will be requested.				
Clover				
Ditylenchus dipsaci				
Filtration (Anses MOA013 parts A and B*). UNTREATED seeds only.	PA-NE-TRE	70 g	16 days	65
Test carried out on the whole submitted sample. If the supplied quantity is too important,				
a new sample will be requested.				
All species				
Ditylenchus dipsaci Supplement for measure of viability by staining method (GEVES M-GEVES/SV/MO/001).	PA-NE-VIA	,	1	96
Plants (leaves and stems)	r A-INE-VIA			- 50
Ditylenchus dipsaci				
Filtration (Anses MOA013 parts A and B).	PA-NE-PLAN	,	16 days	73.
		Size	Duration	Pri
Alfalfa				
Alfalfa mosaic (AMV)				
ELISA.	PA-VI-71	2 000	16 days	140.
Pea				
Tomato black ring virus (TBRV) ELISA.	PA-VI-37	2 000	16 days	150.
	PA-VI-37	2 000	10 uays	150
Pea early browning virus (PEBV) ELISA (ISTA 7-024).	PA-VI-31	2 000	16 days	145
• •	LW-AI-21	2 000	10 days	143
Pea enation mosaic virus (PEMV) ELISA.	PA-VI-57	2 000	16 days	215
Bean yellow mosaic virus (BYMV)	r A-VI-37	2 000	10 days	213
ELISA.	PA-VI-60		Cont	act SN
Bean leaf roll virus (BLRV)	14 11 00		Cont	act Siv
ELISA.	PA-VI-67		Cont	act SN
Southern bean mosaic virus (SBMV)				
ELISA.	PA-VI-88		Cont	act SN
Broad bean true mosaic virus (BBTMV)				
ELISA.	PA-VI-50		Cont	act SN
Pea, Vetch			22	
Pea seed borne mosaic virus (PSbMV)				
ELISA (ISTA 7-024).	PA-VI-11	2 000	16 days	145
Vetch				
Cauliflower mosaic (CaMV)				
ELISA.	PA-VI-68		Cont	act SNI



Different prices outside test periods. Contact SNES for information on the periods according to the species.

Technological quality : biochemical tests				
		Size	Duration	Price
Alfalfa, Pea				
Tannin content (assay by spectrophotometry).	BI-B-SPEC-TAN		Contact Bio	oGEVES
Pea				
Antitrypsic factors (assay by spectrophotometry).	BI-B-SPEC-FAT		Contact Bi	oGEVES



Field test by SEV		
Y		Price
DUS testing - Cocksfoot, Tall fescue.	SEV-DHS-DACFET	1180.00
DUS testing - Brome.	SEV-DHS-BRO	965.00
DUS testing - Festulolium.	SEV-DHS-FES	965.00
DUS testing - Tall fescue.	SEV-DHS-FETG	1180.00
DUS testing - Field Pea.	SEV-DHS-POIF	965.00
DUS testing - Sainfoin.	SEV-DHS-SAI	965.00
DUS testing - Alfalfa.	SEV-DHS-LUZ	1295.00
DUS testing - Salzmann's restharrow, Fenugreek, Dwarf chickling vetch, Chickling vetch, Hybrid vetch, Narrow-leaved plantain, Field Pea, Berseem clover, Crimson clover, Balansa clover, Persian clover, Clover squarrosum, Arrow-leaf clover, Common Vetch, Hairy vetch, Hungarian vetch, Reddich turfted vetch.	SEV-DHS-AUTFOU	965.00
New assessment of the value in use of a variety of turf in the catalogue: over 3 years, price per year.	SEV-RETEST-GAZ	2070.00

PUBLICATIONS		
		Price
Method sheet		
Vigour testing – Conductivity - Pea.	VIG-2-M	7.10
Germination analysis technical sheet		
Evaluation of Cabbage seedlings.	GE-T-CHOU	29.20
Evaluation of Alfafa seedlings.	GE-T-LUZ	29.20
Evaluation of Pea seedlings.	GE-T-POI	29.20
Evaluation of Radish seedlings.	GE-T-RAD	29.20
Technical sheet for analysis of specific purity and counting of all other seeds		
Gramineae (Lolium spp. , Festuca arundinacea , Festuca cf. ovina rubra , Festuca pratensis, Dactylis glomerata).	AP-C-1	29.20
Trifolium spp.	AP-C-1B	29.20
Brassica napus.	AP-C-4	29.20
Medicago sativa, Trifolium pratense.	AP-C-7	29.20
Pisum sativum, Vicia faba.	AP-C-8	29.20
Vicia sativa.	AP-C-11	29.20
Seed blower calibration for uniform blowing (Dactylis glomerata, Poa pratensis, Poa trivialis).	AP-M-2	29.20
Identification data sheet of seeds and other impurities		
Polygonaceae (Persicaria maculosa, Persicaria lapathifolia, Fallopia convolvulus, Polygonum aviculare, Rumex sp., Rumex acetosella, Rumex maritimus).	AP-A-03	29.20
Chenopodium sp., Atriplex sp., Amaranthus sp., Reseda sp., Myosotis sp.	AP-A-04	29.20
Lathyrus spp. (Lathyrus sylvestris, Lathyrus latifolius, Lathyrus hirsutus, Lathyrus tuberosus, Lathyrus odoratus, Lathyrus aphaca, Lathyrus pratensis, Lathyrus sativus, Lathyrus cicera).	AP-A-05	29.20
Asteraceae (Anthemis arvensis, Glebionis segetum, Chicorium sp., Tripleurospermum inodorum, Helminthotheca echioïdes, Lapsana communis, Lactuca sativa, Sonchus spp., Cirsium arvense, Cirsium vulgare, Centaurea cyanus).	AP-A-06	29.20
Cuscuta spp.	AP-P-1	29.20
Claviceps purpurea - Sclerotinia sclerotiorum.	AP-P-2	29.20
Collection of seeds		
Weed's identification for <i>Brassica napus</i> analysis. Contact SNES.	APCS-BRA-N	
Seeds collection - Weed's identification for <i>Medicago sativa</i> and <i>Trifolium pratense</i> analysis. Contact SNES.	APCS-MED-S	
Weed's identification for <i>Pisum sativum</i> and <i>Vicia faba</i> analysis. Contact SNES.	APCS-PIS-S	/

Seed mixture species

SEED QUALITY Physical quality Duration Size Price Purity analysis test and determination of the composition of a seed mixture of species Only on naked seeds Less than 4 components WITH declared composition². PU-MEL-01 60 days 457.00 From 4 components WITH declared composition². PU-MEL-02 **Contact SNES** WITHOUT declared composition. PU-MEL-03 / 60 days 750.00 Preparation of pure seed for germination testing Seed mixture (less than 4 components) WITH declared composition². PU-PR-19 189.00 From 4 components WITH declared composition². PU-PR-22 Contact SNES WITHOUT declared composition. PU-PR-19-1 452.00 32.00 Preparation of pure seeds in dragees on coated seed mixture. PU-PR-19-2

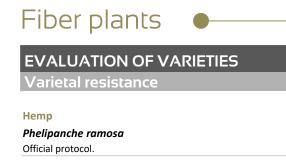
² Provide the % of species in the seed mixture.

Physiological quality		
		Price
Germination test on 400 seeds		
Species mixture by component. All the species of the seed mixture will be analyzed whatever is the proportion, except opposite request.	GE-FG-19-4	1
Germination test on 200 seeds		
Species mixture by component. All the species of the seed mixture will be analyzed whatever is the proportion, except opposite request.	GE-FG-19-2	/

See details of price and size in the chapter of the species.

Fiber plants

housand-seed weight (on purity test performed by SNES) housand-seed weight (on purity test performed by SNES) housand-seed weight (on purity seeds. MMS-01	SEED QUALITY				
Size Duration Pri Nousand-seed weight (on purity test performed by SNES) housand-seed weight (on purity seeds.					
housand-seed weight (on purity test performed by SNES) housand-seed weight (on purity test performed by SNES) housand-seed weight (on purity seeds. MMS-01	i Try Stear quanty		Size	Duration	Price
housand-seed weight on pure seeds. wirty analysis test urity eitemp. PU-S-14 ISTA weight / 40. virty Flax. PU-S-15 ISTA weight / 30. recreatings of a specific type of other seeds. Specify the search to be performed for each pu-CONS2 NEW / 8. pecies. recreatings of a specific type of inert materials. Specify the search to be performed for each pu-CONS2 NEW / 8. pecies. recreatings of a specific type of inert materials. Specify the search to be performed for each pu-CONS2 NEW / 8. pecies. recreatings of a specific type of inert materials. Specify the search to be performed for each pu-CONS2 NEW / 8. pecies. recreating of all other seeds ull counting of other seeds on purity weight. Indication of the number of other seeds in the pecific purity test. Indicated counting of all other seeds pu-LP-D-1 / 12. pecific purity test. Indicate the name of the species to be pu-SP-D-1 ISTA weight / 57. recreated. SP-LH-01 ISTA weight / 57. recreated. SP-LH-02 ISTA weight / 57. recreated. SP-LH-03 ISTA weight / 57. recreated. SP-LH-04 ISTA weight / 57. recreated. SP-LH-05 ISTA weight / 57. recreated. SP-LH-06 ISTA weight / 57. recreated. SP-LH-07 ISTA weight / 57. recreated. SP-LH-08 ISTA weight / 57. recreated. SP-LH-09 ISTA weight / 57. recreated. SP-LH-09 ISTA weight / 57. recreated. SP-LH-09 ISTA weight / 57. recreated. SP-LH-00 ISTA weight / 57. recreated. SP-LH-01 ISTA weight / 57. recreated. SP-LH-02 ISTA weight / 57. recreated. SP-LH-03 ISTA weight / 57. recreated. SP-LH-03 ISTA weight / 57. recreated. SP-LH-04 ISTA weight / 57. recreated. SP-LH-05 ISTA weight / 57. recreated. SP-LH-06 ISTA weight / 57. Recreated. SP-STRIGA	They sound cood weight for music, took nowformed by CNICS		3.20	Duration	
urity analysis test urity - Hemp. PU-IS-14 ISTA weight / 40. urity - Hemp. PU-IS-15 ISTA weight / 40. urity - Representation of their seeds. Specify the search to be performed for each performed for each performed or a specific type of other seeds. Specify the search to be performed for each		NANAC OA	,	,	20.4
unity - Hemp. PU-5-14 ISTA weight / 40. With - Flax. PU-5-15 ISTA weight / 90. PU-5-16 ISTA weight / 90. PU-5-16 ISTA weight / 90. Receives. PU-5-16 ISTA weight / 90. Receives. Sp-15-13 ISTA weight / 90. Receives. Sp-15-13 ISTA weight / 90. Receives. Sp-15-13 ISTA weight / 90. Receives. Sp-15-14 ISTA weight / 90. Receives. Sp-15-15 ISTA weight / 90. Receives. Sp-15-16 ISTA weight / 90. Receives. Receives. Sp-15-16 ISTA weight / 90. Receives. Receives. Receives. Receives. Receives. Receives. Sp-15-16 ISTA weight / 90. Receives. Receives. Receives. Receives. Receives. Receives. Receives. Receives. Sp-15-18 ISTA weight / 90. Receives. Receives. Receives. Receives. Receives. Receives. Receives. Receives. Receives. Sp-15-18 ISTA weight / 90. Receives. Recei		ININI2-01	/	/	29.4
untry - Flax. crocratage of a specific type of other seeds. Specify the search to be performed for each PU-CONST NEW / 8. peciels. crocratage of a specific type of inert materials. Specify the search to be performed for each peciels. counting of all other seeds ull countring - Hemp. Ull countring - Hemp. SP-IS-13 STA weight / 70. Ull countring - Hemp. SP-IS-14 ISTA weight / 70. Ull countring - Hemp. Ull countring - Hemp. SP-IS-15 ISTA weight / 70. Ull countring - Hemp. SP-IS-16 ISTA weight / 70. Ull countring of all other seeds on purity weight. Indication of the number of other seeds in the pu-SP-01 / 12. pecific purity test. Initiated countring of all other seeds wearching of 1 to 4 species (except for Orobanchaccae). Indicate the name of the species to be searching of 1 to 4 species (except for Orobanchaccae). Indicate the name of the species to be searched of 1 to 4 species (except for Orobanchaccae). Indicate the name of the species to be searched. SP-U-D2 ISTA weight / 57. acrached. SP-U-D2 ISTA weight / 57. acraching of 7 non-order sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on separate, sealed, submitted subsample. Separate, sealed, submitted subsample. Separate, sealed, submitted subsample. Separate, sealed, submitted subsample. Serformed on a separate, sealed, submitted subsample. Size Duration Pri Size Duration Pri Size Duration Pri Size Duration P					
ercentage of a specific type of other seeds. Specify the search to be performed for each	Purity - Hemp.				40.6
pacies. counting of all other seeds ull counting. Flax. counting of all other seeds ull counting. Flax. ull counting. Flax. unting of all other seeds on purity weight. Indication of the number of other seeds in the pecific purity test. imited counting of all other seeds unting of flore seeds on purity weight. Indication of the number of other seeds in the pecific purity test. imited counting of all other seeds unting of flore seeds on purity weight. Indication of the number of other seeds in the pecific purity test. imited counting of all other seeds unting of the seeds (sexcept for Orobanchaceae). Indicate the name of the species to be archdia. SP-U-01 ISTA weight / 57. archdia. SP-U-02 ISTA weight / 91. ISTA weight / 91. Contact SNI pacific to 8 species (except for Orobanchaceae). Indicate the name of the species to be searched. SP-U-02 ISTA weight / 91. SETA weight / 91. Contact SNI pacific to 8 species (except for Orobanchaceae). Indicate the name of the species to be searched. SP-U-03 ISTA weight / 96. SP-U-04 ISTA weight / 96. Contact SNI searching of Orobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a species to be searched. SP-ORO ISTA weight / 66. Spearate, seeled, submitted subsample. Bearching of Orobanche sp. and Strigs sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a spearate, seeled, submitted subsample. Bearching of Orobanche sp. and Strigs sp. Only on UNTREATED and UNCOATED seeds. Analyse spearate, seeled, submitted subsample. Bearching of Orobanche sp. and Strigs sp. Only on UNTREATED and UNCOATED seeds. Analyse spearate, seeled, submitted subsample. Bearching of Orobanche sp. and Strigs sp. Only on UNTREATED and UNCOATED seeds. Analyse spearate, seeled, submitted subsample. Bearching of Orobanche sp. and Strigs sp. Only on UNTREATED and UNCOATED seeds. Analyse spearate, seeled, submitted subsample. Bearching of Orobanche sp. and Strigs sp. Only on UNTREATED and UNCOATED seeds. Analyse spearate, seeled, submitted subsample. Bear			ISTA weight	/_	30.0
journing of all other seeds Jul counting: Flax. Ju	species.	PU-CONS1 NEW	/	/	8.00
ull counting - Hemp. Ull counting - Flax. SP1-S13 ISTA weight / 70. ull counting - Flax. SP1-S14 ISTA weight / 70. ull counting of other seeds on purity weight. Indication of the number of other seeds in the purity test. mitted counting of all other seeds earching of 1 to 4 species (except for Orobonchaceae). Indicate the name of the species to be ararched. searching of 1 to 4 species (except for Orobonchaceae). Indicate the name of the species to be searching of 1 to 8 species (except for Orobonchaceae). Indicate the name of the species to be searching of from than 8 species (except for Orobonchaceae). Indicate the name of the SP-U-20 ISTA weight / 91. searching of more than 8 species (except for Orobonchaceae). Indicate the name of the SP-U-20 ISTA weight / 96. separate, sealed, submitted subsample. searching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on special submitted subsample. searching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a special special submitted subsample. Anoisture content - Provide seeds in sealed foil sachets from which as much air as ossible has been extracted we method. SP-ORO-STR ISTA weight / 98. searching of Orobonche sp. and Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse special spe	Percentage of a specific type of inert materials. Specify the search to be performed for each species.	PU-CONS2 NEW	/	/	8.00
ull counting - Flax. SP-IS-14 ISTA weight / 40. ounting of other seeds on purity weight. Indication of the number of other seeds in the pu-SP-01 / 12. pecific purity vest. imited counting of all other seeds arching of 12 of species (except for Orobanchaceae). Indicate the name of the species to be parching of 12 of species (except for Orobanchaceae). Indicate the name of the species to be parched. SP-II-02 ISTA weight / 91. STA weight / 91. Contact SNI earched. Contact SNI earched. SP-II-02 ISTA weight / 91. Contact SNI earched. SP-II-02 ISTA weight / 91. Contact SNI earched. SP-II-02 ISTA weight / 96. Contact SNI earched. SP-II-02 ISTA weight / 66. SP-II-03 ISTA weight / 66. SP-ORO ISTA weight / 66. SP-ORO-STR ISTA weight / 66. SP-ORO-STR ISTA weight / 66. SP-ORO-STR ISTA weight / 98. ISTA weight / 98. SP-ORO-STR ISTA weight / 98. SSIBLE bas been extracted were method. TE-SN-01 ISTA weight / 18. SP-ORO-STR ISTA weight / 18. SP-ORO-STR ISTA weight / 98. SIZE Duration Pri semination test on 400 seeds SEED STREAM SP-ORO-STR ISTA weight / 18. SIZE Duration Pri semination test on 200 seeds SEED, FILE STREAM SP-ORO-STR ISTA weight / 18. SIZE Duration Pri semination test on 200 seeds SEED, FILE STREAM SP-ORO-STR ISTA weight / 18. SIZE Duration Pri semination test on 200 seeds SEED, FILE STREAM SP-ORO-STR ISTA weight / 18. SIZE Duration Pri semination test on 200 seeds SEED, FILE STREAM SP-ORO-STR ISTA weight / 18. SIZE DURATION Pri SIZE DURATION PR	Counting of all other seeds	SD_IS_13	ISTA weight	/	70.0
ounting of other seeds on purity weight. Indication of the number of other seeds in the PU-SP-01 / / 12. beeffic purity test. beeffic p					
peedic purity test. imited counting of all other seeds earching of 1 to 4 species (except for Orobanchaceae). Indicate the name of the species to be earched. SP-LI-02 ISTA weight / 57. earching of 5 to 8 species (except for Orobanchaceae). Indicate the name of the species to be earched. SP-LI-02 ISTA weight / 91. Earched. Contact SNI peedics to be searched. Contact SNI peedics to be searched. PP-LI-20 Contact SNI peedics to be searched. Contact SNI peedics to be searched. SP-LI-20 ISTA weight / 66. SP-LI-20 ISTA weight / 66. SP-LI-20 ISTA weight / 66. SP-STRIGA ISTA weight / 6	<u> </u>		/ Veight		
earching of 1 to 4 species (except for Orobanchaceae). Indicate the name of the species to be arched. 257-11-02 ISTA weight / 97. 267-11-02 ISTA weight / 97. 268-11-03 ISTA weight / 66. 269-11-03 ISTA weight / 66. 279-11-03 ISTA weight / 66. 279-11-03 ISTA weight / 66. 289-11-03 ISTA weight / 66. 289-11-03 ISTA weight / 66. 289-289-289-289. 289-289-289. 299-289-289. 299-289-289. 299-289-289. 299-289-289. 299-299-289. 299-299-299. 299-29	specific purity test.	PU-3P-01		/	12.00
earching of 5 to 8 species (except for Orobanchaceae). Indicate the name of the species to be earching of 5 to 8 species (except for Orobanchaceae). Indicate the name of the species to be earched. earching of more than 8 species (except for Orobanchaceae). Indicate the name of the pecies to be searched. earching of Orobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on sp-ORO ISTA weight / 66. separate, sealed, submitted subsample. earching of Orobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a SP-STRIGA ISTA weight / 66. separate, sealed, submitted subsample. earching of Orobanche sp. and Stripa sp. Only on UNTREATED and UNCOATED seeds. Analyse PoRO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All of the sparate, sealed, submitted subsample. All of the spara	· ·				
earched. earching of more than 8 species (except for Orobanchaceae). Indicate the name of the parelies to be searched. earching of Morobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on separate, sealed, submitted subsample. earching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a SP-STRIGA ISTA weight / 66. separate, sealed, submitted subsample. earching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a SP-STRIGA ISTA weight / 66. separate, sealed, submitted subsample. All STRIGA STRIGA ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate, sealed, submitted subsample. All Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse sp-ORO-STR ISTA weight / 98. erformed on a separate,	Searching of 1 to 4 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-01	ISTA weight	/	57.0
pecies to be searched. aarching of Orobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on SP-ORO ISTA weight / 66. separate, seeded, submitted subsample. aarching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a SP-STRIGA ISTA weight / 66. pearate, seeled, submitted subsample. aarching of Orobanche sp. and Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse SP-ORO-STR ISTA weight / 98. performed on a separate, seeled, submitted subsample. Anoisture content - Provide seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. TE-SN-01 ISTA weight / 18. dentification of individual seeds is used in individual seeds is used in individual seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. TE-SN-01 ISTA weight / 18. dentification by species. ID-IS-01 / / 30. Physiological quality Size Duration Price internation test on 400 seeds lemp, Flax. GE-FG-14-4 1 250 / 49. dentification by species. GE-FG-14-2 500 / 37. dentification price internation test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. dentification price internation in test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. dentification price internation in test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. dentification price internation in test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. dentification price in the following internation in test on 200 seeds lemp, Flax. Mycology - See p.7 "Seed health" Size Duration Price in the following	Searching of 5 to 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-02	ISTA weight	/	91.0
separate, sealed, submitted subsample. aarching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a perate, sealed, submitted subsample. aarching of Orobanche sp. and Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse seriormed on a separate, sealed, submitted subsample. Anoisture content - Provide seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seed to should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seed to should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted wen method. It is should be seeds in sealed foil sachets from which as much air as ossible has been extracted be seed in sealed foil sachets from which as much air as ossible has been extracted be seed in sealed foil sachets from which as much air as ossible has been extracted been extracted by sealed foil sachets from which as much air as ossible has been extracted by sealed foil sachets from which as much air as ossible has been extracted by sealed foil sachets from which as much air as ossible has been extracted by sealed foil sachets from which as much air as ossible has been extracted by sealed foil sachets from which as much air as ossible has been extracted by sealed foil sachets from which	Searching of more than 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the	SP-LI-20		Cont	act SNES
earching of Strigo sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a SP-STRIGA ISTA weight / 66. sparate, sealed, submitted subsample. acricing of Orobanche sp. and Strigo sp. Only on UNTREATED and UNCOATED seeds. Analyse spends, submitted subsample. Anoisture content - Provide seeds in sealed foil sachets from which as much air as cossible has been extracted when method. TE-SN-01 ISTA weight / 18. dentification of individual seeds is used individual seeds is used individual seeds is used. Physiological quality Size Duration Price in the seed of the seed o	Searching of <i>Orobanche</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-ORO	ISTA weight	/	66.0
Physiological quality Size Duration Pricemination test on 200 seeds Semp, Flax. GE-FG-14-2 Sour Dysology - See p.7 "Seed health" Size Duration Pricemp Siz	earching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a	SP-STRIGA	ISTA weight	/	66.0
Anoisture content - Provide seeds in sealed foil sachets from which as much air as cossible has been extracted wen method. TE-SN-01 ISTA weight / 18. dentification of individual seeds issual identification by species. ID-IS-01 / / 30. Physiological quality Size Duration Price immination test on 400 seeds is immination test on 400 seeds is immination test on 200 seeds is immina	Searching of Orobanche sp. and Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse	SP-ORO-STR	ISTA weight	/	98.0
wen method. TE-SN-01 ISTA weight / 18. Identification of individual seeds isual identification by species. ID-IS-01 / / 30. Physiological quality Size Duration Pri Size Duration	Moisture content - Provide seeds in sealed foil sachets from which as much air as				
dentification of individual seeds isual identification by species. ID-IS-01 / 30. Physiological quality Size Duration Price		TE CN 01	ICTA waight	,	10.4
Physiological quality Size Duration Price		1E-2IV-01	131A weight	/	10.4
Physiological quality Size Duration Prisonation test on 400 seeds Jemp, Flax. GE-FG-14-4 1 250 / 49. Jermination test on 200 seeds Jemp, Flax. GE-FG-14-2 500 / 37. Mycology - See p.7 "Seed health" Size Duration Prisonation Prisonation Prisonation Science, Sciencial Science, S			,	,	
Size Duration Printermination test on 400 seeds lemp, Flax. GE-FG-14-4 1 250 / 49. Remination test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. Mycology - See p.7 "Seed health" Size Duration Printerment Size Duration Printe	/isual identification by species.	ID-IS-01	/	/	30.8
Sermination test on 400 seeds Jemp, Flax. GE-FG-14-4 1 250 49. Jermination test on 200 seeds Jemp, Flax. GE-FG-14-2 Mycology - See p.7 "Seed health" Size Duration Print Pr	Physiological quality				
lemp, Flax. GE-FG-14-4 1 250 / 49. Germination test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. Mycology - See p.7 "Seed health" Size Duration Pri lemp lotrytis cinerea, Sclerotinia sclerotiorum lotter method. PA-ES-CHA 400 23 days 120. lax lotrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) gar method. PA-ES-LIN 400 23 days 91. Alternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum linicola) Inii)			Size	Duration	Pric
lemp, Flax. GE-FG-14-4 1 250 / 49. Germination test on 200 seeds lemp, Flax. GE-FG-14-2 500 / 37. Mycology - See p.7 "Seed health" Size Duration Pri lemp lotrytis cinerea, Sclerotinia sclerotiorum lotter method. PA-ES-CHA 400 23 days 120. lax lotrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) gar method. PA-ES-LIN 400 23 days 91. Alternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum linicola) Inii)	Sermination test on 400 seeds				
Remp, Flax. GE-FG-14-2 500 37. Mycology - See p.7 "Seed health" Size Duration Price Duratio		GF-FG-14-4	1 250	1	49.2
Mycology - See p.7 "Seed health" Size Duration Pri Size Duration Pri Size Duration Pri Size Duration Pri Size Du	•	GE 1 G 1 4 4	1 230		73.2
Size Duration Pri Ilemp Identrytis cinerea, Sclerotinia sclerotiorum Identer method. PA-ES-CHA 400 23 days 120. Ilax Identrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) Igar method. PA-ES-LIN 400 23 days 91. Idenaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum lini)	Germination test on 200 seeds Hemp, Flax.	GE-FG-14-2	500	/	37.0
Size Duration Pri Ilemp Identrytis cinerea, Sclerotinia sclerotiorum Identer method. PA-ES-CHA 400 23 days 120. Ilax Identrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) Igar method. PA-ES-LIN 400 23 days 91. Idenaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum lini)	Mycology - See p.7 "Seed health"				
Rotrytis cinerea, Sclerotinia sclerotiorum Iotter method. PA-ES-CHA 400 23 days 120. Ilax Rotrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) Igar method. PA-ES-LIN 400 23 days 91. Idternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum linicola)			Size	Duration	Price
lotter method. PA-ES-CHA 400 23 days 120. lax sotrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) Igar method. PA-ES-LIN 400 23 days 91. Alternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum linicola)	Hemp				
Rotrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections) gar method. PA-ES-LIN 400 23 days 91. Alternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum ini)	Botrytis cinerea, Sclerotinia sclerotiorum Blotter method.	PA-ES-CHA	400	23 days	120.0
Colletotrichum lini), Alternaria linicola, Fusarium (all sections) gar method. PA-ES-LIN 400 23 days 91. Ulternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum ini)	lax				
Alternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum ini)	Botrytis cinerea, Boeremia exigua (Phoma exigua), Colletotrichum linicola Colletotrichum lini), Alternaria linicola, Fusarium (all sections)				
ini)	Agar method.	PA-ES-LIN	400	23 days	91.0
gar method (ISTA 7-007). PA-BOT-LIN 400 23 days 90 .	Alternaria linicola, Botrytis cinerea, Colletotrichum linicola (Colletotrichum ini)				
	Agar method (ISTA 7-007).	PA-BOT-LIN	400	23 days	90.00



PUBLICATIONS

Duration

Price

GE-TR-CHOR / / 258.00

Size

Genotyping by molecular biology				
		Size	Duration	Price
Flax				
Varietal identity control.	BI-G-BM-SSR-CID-1		Contact Bio	oGEVES
Varietal purity analysis.	BI-G-BM-SSR-PUR-90		Contact Bi	oGEVES

Technological quality: biochemical tests				
		Size	Duration	Price
Flax				
Fatty acid composition (Method GC).	BI-B-CPG-AG		Contact Bio	oGEVES
Oil content (NMP)	DI D DMNI LI		Contact Big	GEV/ES

Field test by SEV		
		Price
DUS testing - Flax, Linseed, Hemp.	SEV-DHS-LINCHA	1080.00

		Price
Germination analysis technical sheet		
Evaluation of Hemp and Flax seedlings.	GE-T-LIN	29.20

Corn and sorghum

SEED QUALITY				
Physical quality				
Thousand and weight (on musibutest newfarmers I but CNIFC)		Size	Duration	Price
Thousand-seed weight (on purity test performed by SNES) Thousand-seed weight on pure seeds.	MMS-01	,	1	29.40
	INIINI2-01	/	/	25.40
Purity - Corn, Sorghum.	PU-IS-02	ISTA weight	/	23.00
Percentage of a specific type of other seeds. Specify the search to be performed for each	PU-CONS1 NEW	/ /		8.00
species.		,	,	
Percentage of a specific type of inert materials. Specify the search to be performed for each species.	PU-CONS2 NEW	1	/	8.00
Counting of all other seeds Full counting - Corn, Sorghum.	SP-IS-02	ISTA weight	/	23.00
Counting of other seeds on purity weight. Indication of the number of other seeds in the specific purity test.	PU-SP-01	1	/	12.00
Limited counting of all other seeds Searching of 1 to 4 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-01	ISTA weight	/	57.00
Searching of 5 to 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-02	ISTA weight	/	91.00
Searching of more than 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be searched.	SP-LI-20		Conta	act SNES
Moisture content - Provide seeds in sealed foil sachets from which as much air as possible has been extracted				
Oven method.	TE-SN-01	ISTA weight		18.40
Supplement for moisture content test requiring pre-drying.	TE-SN-03 NEW			12.00
Identification of individual seeds Visual identification by species.	ID-IS-01	/	/	30.80
Physiological quality				
Germination test on 400 seeds		Size	Duration	Price
Corn, Sorghum.	GE-FG-01-4	1 250	/	44.00
Germination test on 200 seeds				
Corn, Sorghum.	GE-FG-01-2	500	/	36.20
Vigour test				
Cold-test on 400 seeds.	GE-CO	1 250		60.00
Cold-test on 200 seeds.	GE-CO2	500		38.30
Accelerated ageing of 200 seeds including germination capacity.	GE-VIEI-2	500	/	78.00
Radicle emergence test on 200 seeds (ISTA test) - Corn. Corn root longth evaluation after 7 days cormination at 15°C (4 replicator of 20 seeds)	GE-EM		/	66.00
Corn root length evaluation after 7 days germination at 15°C (4 replicates of 20 seeds).	GE-RAC	/	/	66.00
Mycology - See p.7 "Seed health"		Size	Duration	Price
Corn		3126	Duration	PIIC
Bipolaris zeicola (Helminthosporium carbonum), Fusarium (section Liseola and other sections), Cephalosporium sp., Cochliobolus heterostrophus (Helminthosporium maydis (Diplodia maydis), Stenocarpella macrospora (Diplodia macrospora), Colletotrichum graminicola, Nigrospora sp.), Stenocarpella maydi	s		
Agar method with superficial disinfection. UNTREATED seeds only.	PA-ES-MAID	400	19 days	95.00
Bipolaris zeicola (Helminthosporium carbonum), Fusarium (section Liseola and other sections), Cephalosporium sp., Cochliobolus heterostrophus (Helminthosporium maydis (Diplodia maydis), Stenocarpella macrospora (Diplodia macrospora), Colletotrichum graminicola, Nigrospora sp.	s), Stenocarpella mayd	is	·	
Agar method without superficial disinfection. Treated seeds only.	PA-ES-MAI	400	19 days	91.0
Ustilago maydis and Sporisorium reilianum (Sphacelotheca reiliana) Seed wash method. UNTREATED seeds only.	PA-CH-MAIS	500	15 days	88.00

Corn and sorghum

14 L C 7 IIC LL III				
Mycology - See p.7 "Seed health"		Size	Duration	Price
Corn				
Sclerospora spp., Sclerophtora spp., Peronosclerospora spp.	DA 841 84815	500	45 de	
Seed wash method. UNTREATED seeds only.	PA-MI-MAIS	500	15 days	88.0
Sorghum				
Bipolaris oryzae (Helminthosporium oryzae), Bipolaris cookei (Helminthosporiu sorghicola), Fusarium section liseola, Fusarium (other sections), Macrophomina				
phaseolina, Helminthosporium sp.				
Agar method.	PA-ES-SOR	400	19 days	91.0
Virology - Uncoated seeds only				
Corn Detection of 1 natheren		Size	Duration	Pric
Corn - Detection of 1 pathogen Maize chlorotic mottle virus (MCMV)				
ELISA on plantlets.	PA-VI-66	1 000	37 days	274.0
Maize dwarf mosaic virus (MDMV)				
ELISA on plantlets.	PA-VI-44	1 000	37 days	273.0
Wheat high plains virus (WHPV) ELISA on plantlets.	PA-VI-62	1 000	37 days	274.0
Sugarcane mosaic virus (SCMV)	-			
ELISA on plantlets.	PA-VI-89	1 000	37 days	274.0
Wheat streak mosaic virus (WSMV)	PA-VI-92	1 000	27 days	274.0
ELISA on plantlets. Corn - Detection of 2 pathogens. Specify the 2 required viruses	PA-VI-32	1 000	37 days	2/4.0
Maize chlorotic mottle virus (MCMV), Maize dwarf mosaic virus (MDMV), Sugar	rcane			
mosaic virus (SCMV) and Wheat streak mosaic virus (WSMV)				
ELISA on plantlets.	PA-VI-59	1 000	37 days	425.0
Corn - Detection of 3 pathogens. Specify the 3 required viruses				
Maize chlorotic mottle virus (MCMV), Maize dwarf mosaic virus (MDMV), Sugar	rcane			
mosaic virus (SCMV) and Wheat streak mosaic virus (WSMV) ELISA on plantlets.	PA-VI-96	1 000	37 days	530.0
Corn - Detection of 4 pathogens			2. 22/2	
Maize chlorotic mottle virus (MCMV), Maize dwarf mosaic virus (MDMV), Sugai	rcane			
mosaic virus (SCMV) and Wheat streak mosaic virus (WSMV)				
ELISA on plantlets.	PA-VI-54	1 000	37 days	750.0
EVALUATION OF VARIETIES				
Genotyping by protein profiling		_	_	
Genotyping by protein proming		Size	Duration	Pric
Corn				
Varietal comparison by isoenzyme electrophoresis.	BI-G-EL-COMP-M		Contact B	
Hybrid Conformity by isoenzyme electrophoresis.	BI-G-EL-CONF-M		Contact B	
Description of a lineage for 19 loci out of 4 seedlings. Description of a lineage for 14 loci out of 4 seedlings.	BI-G-EL-DVAR-M-19 BI-G-EL-DVAR-M-14		Contact B Contact B	
Identity check test of a line or a hybrid in relation to genitors declared for 14 loci out of 10	BI-G-EL-CID-M-10		Contact B	
grains.				
dentity check test of a line or a hybrid in relation to genitors declared for 14 loci out of 30	BI-G-EL-CID-M-30		Contact B	ioGEVE
grains.			Contact B	ioGEVE
	BI-G-EL-PUR-M-14			io CEVE
Purity control by iso-enzymatic electrophoresis - 14l.	BI-G-EL-PUR-M-14 BI-G-EL-PUR-M-19		Contact B	IOGEVE
Purity control by iso-enzymatic electrophoresis - 14l. Purity control by iso-enzymatic electrophoresis - 19l.			Contact B	IOGEVE.
Purity control by iso-enzymatic electrophoresis - 14l. Purity control by iso-enzymatic electrophoresis - 19l. Genotyping by molecular biology		Size	Contact B Duration	
Purity control by iso-enzymatic electrophoresis - 14l. Purity control by iso-enzymatic electrophoresis - 19l. Genotyping by molecular biology Corn, Sorghum Varietal identity control.		Size		Pric

Corn and sorghum

3				
Genotyping by molecular biology				
		Size	Duration	Price
Corn Hybrid conformity.	BI-G-BM-SSR-CONF		Contact B	inGEVES
nybna comonnity.	DI-G-DIVI-33R-CONF		Contact B	IOGLVLS
Technological quality: biochemical tests				
		Size	Duration	Price
Sorghum				
Tannin content (assay by spectrophotometry).	BI-B-SPEC-TAN		Contact B	IOGEVES
Detection, identification and quantification of GMOs				
		Size	Duration	Price
Corn				
Detection of the adventitious presence of GMOs in raw products (seeds, grains). List of methods available on request.	BI-D-OGM		Contact B	ioGEVES
Identification and quantification of GMO events*. List of methods available on request.	BI-D-OGM2		Contact B	ioGEVES
Field test by SEV				
				Price
DUS testing - Corn.		SEV-DHS-MA		1080.00
DUS testing - Sorghum.		SEV-DHS-SC	DR	1080.00
PUBLICATIONS (only in French)				
1 Obele Allons (only in French)				Price
Commingation analysis to shair all shoot				FIICE
Germination analysis technical sheet Evaluation of Corn seedlings.		GE-FAP-ZI	м	29.20
Technical sheet for analysis of specific purity and counting of all other seeds		GETAL E	<u> </u>	25.20
Zea mays.		AP-C	-6	29.20
Identification data sheet of seeds and other impurities				
Sorghum bicolor.		AP-C-1	.7	29.20
Collection of seeds				

SEED QUALITY Physical quality				
Physical quality		Size	Duration	Pric
Thousand-seed weight (on purity test performed by SNES)				
Thousand-seed weight on pure seeds.	MMS-01	1	/	29.4
Purity analysis test				
Purity - Sunflower, Soybean.	PU-IS-02	ISTA weight		23.0
Purity - Cabbage-Turnip, Rapeseed, Rutabaga.	PU-IS-17	ISTA weight	/	34.0
Purity analysis test			,	
Percentage of a specific type of other seeds. Specify the search to be performed for each species.	PU-CONS1 NEV	/	/	8.0
Percentage of a specific type of inert materials. Specify the search to be performed for each species.	PU-CONS2 NEV	/	/	8.0
Full counting				
Full counting	SP-IS-02	ISTA weight	/	23.
Counting of all other seeds				
Full counting - Sunflower.	SP-IS-15	ISTA weight	/	63.
Full counting - Cabbage-Turnip, Rapeseed, Rutabaga.	SP-IS-16	ISTA weight	/	106.
Counting of other seeds on purity weight. Indication of the number of other seeds in the specific purity test.	PU-SP-01	/	/	12.
Limited counting of all other seeds Gearching of 1 to 4 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be	SP-LI-01	ISTA weight	/	57.
earched. iearching of 5 to 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the species to be	SP-LI-02	ISTA weight	/	91.
earched. bearching of more than 8 species (except for <i>Orobanchaceae</i>). Indicate the name of the	SP-LI-20		Cont	act SNI
species to be searched. Searching of Orobanche sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on	SP-ORO	ISTA weight	/	66.
separate, sealed, submitted subsample. Searching of Striga sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-STRIGA	ISTA weight	/	66.
Searching of <i>Orobanche</i> sp. and <i>Striga</i> sp. Only on UNTREATED and UNCOATED seeds. Analyse performed on a separate, sealed, submitted subsample.	SP-ORO-STR	ISTA weight	/	98.
Moisture content - Provide seeds in sealed foil sachets from which as much air as				
possible has been extracted				
Oven method.	TE-SN-01	ISTA weight	/	18.
supplement for moisture content test requiring pre-drying.	TE-SN-03 NEV	/	/	12.
dentification of individual seeds				
/isual identification by species.	ID-IS-01	/	/	30.
Physiological quality				
Saymination test on 400 soods		Size	Duration	Pri
Germination test on 400 seeds Gunflower.	GE-FG-16-4	1 250	,	46.
Rapeseed, Mustard, Turnip Rape.	GE-FG-17-4	1 250	/	47.
Germination test on 200 seeds			,	
Sunflower.	GE-FG-16-2	500	/	36.
apeseed, Mustard, Turnip Rape.	GE-FG-17-2	500		36.
rigour test				
cold Test (400 seeds) - Sunflower.	GE-CO-TO-4	1 250	/	60.
Cold Test (200 seeds) - Sunflower.	GE-CO-TO-2	500	/	38.
igour test - Early count in cold (200 seeds) - Sunflower .	GE-EM-TO	1	/	32.
ontrolled deterioration of 200 seeds including germination capacity.	GE-DET-1	500	/	78.
tadicle emergence test on 200 seeds (ISTA test) - Rapeseed.	GE-EM	/	1	66.
Conductivity test on 200 seeds on ISTA species. The moisture content of seeds should be between 10 and 14 %, sample must be send in a sealed foil sachet with the indication of the water content, otherwise it would be determined by us perfore the test and invoiced (see test TE-SN-01).	GE-CON-GLO	500	/	49.



Bacteriology - Uncoated seeds only				
		Size	Duration	Pric
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen				
Xanthomonas campestris pv. campestris				
Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	PA-BA-04	30 000	41 days	190.0
	PA-BA-57	40 000	41 days	227.
	PA-BA-63	60 000	41 days	326.
Agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019a).	PA-BA-03	30 000	41 days	200.
Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies ISTA 7-019b without counting of colonies).	PA-BA-105	30 000	41 days	226.
	PA-BA-58	40 000	41 days	296.
	PA-BA-64	60 000	41 days	439.
Disinfected seeds . Grinding + agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019b).	PA-BA-05	30 000	41 days	238.
Kanthomonas campestris pv. armoraciae (raphani)				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-29	30 000	41 days	175.
	PA-BA-59	40 000	41 days	230.
	PA-BA-65	60 000	41 days	326.
Disinfected seeds. Grinding + agar method + pathogenicity test in case of suspect colonies.	PA-BA-30	30 000	41 days	226.
	PA-BA-60	40 000	41 days	296.
	PA-BA-66	60 000	41 days	439.
Pseudomonas syringae pv. maculicola				
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-10	30 000	41 days	180.
Disinfected seeds. Grinding + agar method + pathogenicity test in case of suspect colonies.	PA-BA-33	30 000	41 days	230.
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
Xanthomonas campestris pv. campestris + Xanthomonas campestris pv. armoraciae (raphani)				
Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc and Xca).	PA-BA-06	30 000	41 days	230.
	PA-BA-61	40 000	41 days	282.
	PA-BA-78	60 000	41 days	404.
Disinfected seeds. Grinding + agar method + pathogenicity test in case of suspect colonies ISTA 7-019b without counting of colonies for Xcc).	PA-BA-07	30 000	41 days	273.
	PA-BA-62	40 000	41 days	358.
	PA-BA-67	60 000	41 days	530.
Kanthomonas campestris pv. campestris + Pseudomonas syringae pv. maculicola				
Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	PA-BA-45	30 000	41 days	277.
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-46	30 000	41 days	277.
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 3 pathogens.				
Kanthomonas campestris pv. campestris + Xanthomonas campestris pv.				
armoraciae (raphani) + Pseudomonas syringae pv. maculicola.				
Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc and Xca).	PA-BA-08	30 000	41 days	336.
Sunflower				
Pseudomonas syringae pv. helianthi Agar method + pathogenicity test in case of suspect colonies.	PA-BA-87	5 000	31 days	240.
Xanthomonas arboricola Agar method + pathogenicity test in case of suspect colonies.	PA-BA-100	5 000	41 days	240.
Pseudomonas cichorii			,-	
Agar method + pathogenicity test in case of suspect colonies.	PA-BA-122	5 000	36 days	245.
-gar meanor - partiabetimity test in east of suspect colonies.	DA 166	3 000	JU days	<u>-</u> -7J.

Mycology - See p.7 "Seed health"				
		Size	Duration	Price
Brassicaceae (Cabbage, Rape, Turnip, Radish, Rocket)				
Leptosphaeria maculans and/or Plenodomus biglobosus (Phoma lingam),				
Alternaria brassicae, Alternaria brassicicola, Alternaria japonica, Sclerotinia				
sclerotiorum, Botrytis cinerea, Phoma sp.		400	40.1	
Agar method (derivated from ISTA method 7-004).	PA-ES-CHO	400	19 days	91.00
Leptosphaeria maculans and/or Plenodomus biglobosus (Phoma lingam)	DA DU 0110	4.000	25 4	225.00
Agar method (ISTA 7-004).	PA-PH-CHO	1 000	25 days	226.00
Albugo candida Seed wash method. UNTREATED seeds only.	PA-ALB-CHO	500	1E days	88.00
	PA-ALD-CHU	300	15 days	88.00
Hyaloperonospora parasitica (downy mildew) Seed wash method. UNTREATED seeds only.	PA-MI-CHO	500	15 days	88.00
Grow-out method (viability testing).	PA-MICHOGO	400	42 days	111.00
Plasmodiophora brassicae				
Grow-out method.	PA-MICHOPL	100	75 days	225.00
Carnation			, .	
Alternaria papavericola (Helminthosporium papaveris), Fusarium (all sections),				
Botrytis sp., Alternaria sp.				
Agar method.	PA-ES-OEI	400	19 days	91.00
Sunflower				
Botrytis cinerea, Sclerotinia sclerotiorum, Alternariaster helianthi (Alternaria				
helianthi)	DA EC TOU	400	22 dava	117.00
Blotter method derivated from ISTA method 7-003.	PA-ES-TOU	400	23 days	117.00
Blotter method (ISTA 7, 002)	DA POT TOU	400	22 days	120.00
Blotter method (ISTA 7-003).	PA-BOT-TOU	400	23 days	120.00
Phomopsis helianthi (Diaporthe helianthi), Botrytis cinerea, Sclerotinia sclerotiorum, Alternariaster helianthi (Alternaria helianthi)				
Agar method with superficial disinfection. UNTREATED seeds only.	PA-PHOTOUD	400	23 days	95.00
Agar method without superficial disinfection. Treated seeds only.	PA-PHO-TOU	400	23 days	90.00
Puccinia helianthi (rust)				
Seed wash method. UNTREATED seeds only.	PA-RO-TOU	500	15 days	88.00
Septoria helianthi (leaf spot)				
Seed wash method. UNTREATED seeds only.	PA-SEP-TOU	500	15 days	88.00
Pustula tragopogonis (Albugo tragopogonis) (white rust)				
Seed wash method. UNTREATED seeds only.	PA-ALB-TOU	500	15 days	88.00
Virology - Uncoated seeds only				
		Size	Duration	Price
Sunflower				
Cucumber mosaic virus (CMV)				
ELISA.	PA-VI-56	2 000	16 days	210.00
Tobacco streak virus (TSV)				
ELISA.	PA-VI-61	1 000	16 days	258.00
EVALUATION OF VARIETIES				
Varietal resistance				
		Size	Duration	Price
Rapeseed		3.20		
Plasmodiophora brassicae pathotypes P1+ / P1- / P2+ / P2- / P3- or P5-				
Official protocol.	PA-R-COLZA	45	/	243.00
Identification of Plasmodiophora brassicae pathotype				
From galls, per sample.	PA-RIDPLA1	/	/	406.00
From soil, per sample.	PA-RIDPLA3		/	609.00

 ${\it Different\ prices\ outside\ test\ periods.\ Contact\ SNES\ for\ information\ on\ the\ periods\ according\ to\ the\ species.}$

Varietal resistance				
		Size	Duration	Price
Sunflower				
Plasmopara halstedii races 100 / 304 / 307 / 314 / 334 / 703 / 704 / 710 / 714 or 774				
Official protocol on 30 plants (hybrids). For all requests for 9 races during the CTPS test period (April-May) or any request for 9 races outside CTPS test periods but on a minimum of 20 varieties, a 20% discount will be carried out.	PA-R-TOURN1	45	/	87.00
Plasmopara halstedii race 714-Pl8 Official protocol on 30 plants (hybrids). For all requests for 9 races during the CTPS test period (April-May) or any request for 9 races outside CTPS test periods but on a minimum of 20 varieties, a 20% discount will be carried out.	PA-R-TOURN3	NEW 45	/	87.00
Plasmopara halstedii races 100 / 304 / 307 / 314 / 334 / 703 / 704 / 710 / 714 or 774				
Official protocol on 60 plants (lines).	PA-R-TOURN2	45	/	150.00
Plasmopara halstedii race 714-Pl8				
Official protocol on 60 plants (lines).	PA-R-TOURN4	NEW 45	/	150.00
Plasmopara halstedii				
Identification of the race.	PA-ID-PLA	/		283.00
Resistance to mephenoxam, by isolate.	PA-RIDPLA2	/		88.00
Different prices outside test periods. Contact SNES for information on the periods according	ng to the species.			
Genotyping by protein profiling				
Rapeseed		Size	Duration	Price
Varietal comparison by isoenzyme electrophoresis.	BI-G-EL-COMP-C		Contact E	BioGEVES
Hybrid conformity by Isoenzyme electrophoresis.	BI-G-EL-CONF-C		Contact E	BioGEVES
Description of a variety for 6 loci out of 10 seedlings.	BI-G-EL-DVAR-C		Contact E	BioGEVES
Purity test of a batch for 6 loci out of 100 seedlings.	BI-G-EL-PUR-C-100P		Contact E	BioGEVES
Genotyping by molecular biology				
		Size	Duration	Price
Rapeseed, Sunflower Varietal purity analysis.	BI-G-BM-SSR-PUR-90		Contact E	RinGEVES
Varietal identity control.	BI-G-BM-SSR-CID-1		Contact E	
Rapeseed				
Hybrid conformity.	BI-G-BM-SSR-CONF		Contact E	BioGEVES
Technological quality : biochemical tests				
Rapeseed		Size	Duration	Price
Glucosinolate content on whole plants or parts of plants (HPLC).	BI-B-HPLC-GLU-2		Contact E	BioGEVES
Rapeseed, Sunflower Oil content (NMR).	BI-B-RMN-H		Contact E	BioGEVES
Camelina, Rapeseed, Sunflower Fatty acid composition (CPG method).	BI-B-CPG-AG		Contact E	BioGEVES
Camelina, Rapeseed, White and brown Mustard Glucosinolate content (HPLC method).	BI-B-HPLC-GLU-1		Contact E	RinGEVES
Glucosinolate content (NIRS).	BI-B-NIRS-GLU	NEW	Contact E	
Protein content (NIRS).	BI-B-NIRS-P		Contact E	
Oil content (NIRS).	BI-B-NIRS-H	NEW	Contact E	BioGEVES
Detection, identification and quatification of GMOs				
Detection, identification and qualification of divios		Size	Duration	Price
Rapeseed Detection of the adventitious presence of GMOs in raw products (seeds, grains). List of	BI-D-OGM1		Contact E	BioGEVES
methods available on request.				



Detection, identification and quatification of GMOs

Size Duration Price

Rapeseed

Identification and quantification of GMO events. List of methods available on request.

BI-D-OGM3

Contact BioGEVES

Field test by SEV

Price
1295.00

DUS testing - Rapeseed. SEV-DHS-COL DUS testing - Sunflower. SEV-DHS-TOU 1080.00 Checking the pollen beetles trap characteristic - Rapeseed.

Contact patrick.bagot@geves.fr

SEV-COL-MEL NEW

APCS-HEL-A

PUBLICATIONS (only in French)

Weed's identification for $\it Helianthus\ annuus$ analysis. Contact SNES.

Price

		Price
Method sheet		
Vigour testing – Rapeseed.	VIG-1-M	7.10
Vigour testing – Conductivity - Pea.	VIG-2-M	7.10
Germination method of Rapeseed.	GE-M-COL	7.10
Germination analysis technical sheet		
Evaluation of Sunflower seedlings.	GE-T-TOU	27.90
Evaluation of Rapeseed seedlings.	GE-FAP-BN	29.20
Technical sheet for analysis of specific purity and counting of all other seeds		
Helianthus annuus.	AP-C-2	29.20
Glycine max.	AP-C-3	29.20
Brassica napus.	AP-C-4	29.20
Identification data sheet of seeds and other impurities		
Chenopodium sp., Atriplex sp., Amaranthus sp., Reseda sp., Myosotis sp.	AP-A-04	29.20
Claviceps purpurea - Sclerotinia sclerotiorum.	AP-P-2	29.20
Collection of seeds		
Weed's identification for <i>Brassica napus</i> analysis. Contact SNES.	APCS-BRA-N	

Micro-cleaning



Micro-cleaning of seed lots consists in determining the percentage of waste in raw seed lots, from a harvest, using sorting machines, laboratory replicates of industrial machines.

This activity enables the establishment of an optimal sorting diagram for the seed lot. It is an essential step in defining the industrial process for quality sorting in the factory, whatever the species. Moreover, the commercial value of a lot is estimated through precise knowledge of its quality.

HOW IT IS DONE?

Each species has his own morphological characteristics. Each morphological characteristic is associated with a sorting device, which settings are adjusted very precisely.

The complete sorting of a seed lot is carried out on a sorting line composed of several sorting machines ensuring complementarity on many criteria. In order to achieve the defined standards, the knowledge of characteristics, the expertise and the know-how of operators are essential.



Sorting on a raw batch of carrot before/after micro-cleaning

EQUIPMENTS

The SNES owns 20 different types of equipment in order to clean every types of seeds. Our training and expertise contribute to producing quality sorting, representative of the work provided in the factory. After the various sorting operations, analyses of specific purity and germination capacity can also be carried out at the SNES to ensure the quality of the seed lot.

Requests for information or analyses: contact.mn@geves.fr





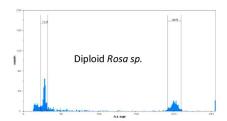
Evaluation of ploidy level from plants or seeds.

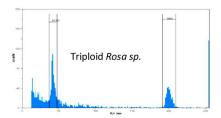
Cytology analyses carried out in the SNES aim to determine the level of ploidy by chromosome counting of root meristematic cells and/or flow cytometry. Ploidy defines the number of chromosome copies of a cell. The level of ploidy is characteristic of the species or variety. These analyses can be carried out from seeds or from plants on many species.

FLOW CYTOMETRY

Flow cytometry is a technique based on the marking of DNA with fluorochromes. The cytometer allows a precise measurement of the amount of fluorescence emitted by the cells after marking and excitation by a light beam. The measurement of the quantity of fluorescence emitted will then be compared to a control with a known level of ploidy. This will allow to conclude on the ploidy level of the tested sample.

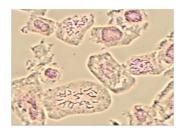
Flow cytometry is mainly used to determine the level of ploidy of a series of plants and variety. In some cases, flow cytometer is also used to identify species with a very similar morphology or mutilated or poorly formed seeds.



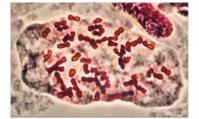


MICROSCOPY

Chromosomal counting by microscopy is a technique that also makes it possible to define the level of ploidy. This is an essential step for species that do not have a reference for cytometry. Chromosome counting is carried out on meristematic root cells whose mitotic division has been blocked at the metaphase stage. The chromosomes are then observed and counted using a phase contrast microscope.



Metaphase cells of Festulolium



Metaphase cells of Gardenia

Requests for information or analyses: contact.cyto@geves.fr

Radiography 2D and tomography

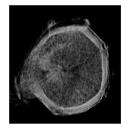
Tools for evaluating seed quality.

WHY USE 2D OU 3D RADIOGRAPHY?

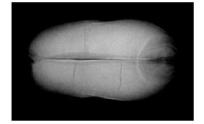
Radiography allows the internal morphology of seeds to be visualised. The objective is to understand or predict problems of physical or germinative quality. This tool also allows the phenotyping of precise characters of interest according to the demand.

WHAT IS THE DIFFERENCE BETWEEN 2D RADIOGRAPHY AND TOMOGRAPHY?

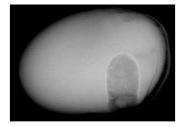
2D radiography is a non-destructive method that allows rapid observation of different criteria on seeds (physical damage, empty seeds, insect damage, etc.). This technology allows a qualitative diagnosis of the state of the internal morphology. The Physical Analysis laboratory is ISTA accredited for these analyses.







Physical damades



Insect damages

3D radiography (tomography) is a technology whose method consists of generating a 3D image of the internal structure of an object. This tool applied to seeds allows the measurement of different characteristics and very precise quantitative data to be obtained. The possible applications are diverse: characterisation of genotypes/varieties/batches, quantification of pathogen/insect damage, physical damage...



Evaluation of the quality of the coating



Quantification of insect damages



Quantification of cracks on a Corn seed

			Tarin
2D radiography on seeds without interpretation (per digital image).	RX-IS-02		22.60 €
2D X-ray image interpretation for the determination of empty/full seeds or the detection of insect/physical	RX-SUP-01		14.00 €
damage (%).			
Supply of 2D radio image in .jpg format, per image supplied.	RX-SUP	NEW	0.95 €
2D X-ray image interpretation for a particular determination or for specific measurements.	RX-SUP-02	bea-tomogr	aphe@geves.fr
For any request for information or analysis in 3D tomography:	TOMO	bea-tomogr	aphe@geves.fr

- Measurements of coating characteristics;
- Insect damage detection and associated volume measurements;
- Measurement of internal seed constituents ;
- Measurement of seed filling rate;
- Detection and measurement of mechanical cracks and other damage;
- Other measures of interest.

Biostimulation, Biocontrol, evaluation of treatment

GEVES provides its expertise for the characterization and evaluation of the effect of your treatments applied to seeds, seedlings or plants.

Whether for biocontrol or biostimulant products, physical or chemical treatments, GEVES proposes to support you in the development of suitable evaluation methodologies and/or to carry out tests under controlled conditions. For *in vitro* and/or *in vivo* screening, or for the evaluation of disinfection, protection, stimulation or phytotoxicity effects of your innovative products or technologies, test the impact of your treatments in preventive and/or curative application.

SNES does not supply seeds or products. The sample size to be provided is 1000 seeds per modality for selectivity and effectiveness assays. If only effectiveness trials are required, the sample size will be determined in relation to the project and the initial request.

A multidisciplinary team composed of qualified experts, member of the private-public Biocontrol consortium, GEVES develops new, internationally recognised methods, and participates in numerous research programs.

APPLICATION OF PRODUCTS ON SEEDS

Treatment of seeds is possible depending on the type of treatment and use. For more information, please contact SNES.

Depending on the quantity of seeds to be treated and the formulation of the product, 3 different tools can be used: Orbital agitator (20 g, liquid formulation); Hege bowl (500 g); Satec Concept treatment machine (up to 2 kg).

		Price
Application of a seed treatment product by SNES in the case of a treatment evaluation.	GE-APPLI	40.60

SELECTIVITY TESTS

To check the selectivity of a treatment, the germination test should be determined on 400 seeds.

		Price
Vegetables.	GE-FG-18-4	56.00
Cereals.	GE-FG-01-4	44.00
Oilseeds.	GE-FG-17-4	47.10

EVALUATION OF TREATMENTS FOR SEED AND PLANT PROTECTION

		Contact
Evaluation of phytochemical products.	PA-EVAL-CHI	geoffrey.orgeur@geves.fr
Evaluation of biocontrol products, physical treatments and disinfection process.	PA-EVAL-BIO	

Few examples of available pathosystems³

	Fusarium spp. (Fusarium graminearum, Fusarium avenaceum, Fusarium culmorum).		Fusarium graminearum.	
Wheat Tilletia caries.		Maize	Fusarium verticilioïdes.	
Microdochium nivale.		Pythium sp.		
	Puccinia striiformis, Puccinia triticina.	Beet	Aphanomyces cochlioides, Pythium sp.	
Rapeseed	Plasmodiophora brassicae.		Plasmopara halstedii.	
	Phoma lingam.	Sunflower	Verticillium dahliae.	
	Alternaria brassicicola.	Lettuce	Fusarium oxysporum.	

 $^{^3}$ Available pathosystems presented in evaluation of varieties as well as in seed health quality are all adaptable for evaluation of treatments.

EVALUATION OF BIOSTIMULANT PRODUCTS FOR GERMINATION AND/OR SEEDLING GROWTH

Two types of trials can be performed either under favourable conditions for the plant species (i.e. those applied in selectivity trials), or under penalizing conditions (i.e. abiotic stress).

		Price / Contact
Monitoring of seed germination on 200 seeds		
Germination energy (intermediate count; in addition to germination capacity).	GE-EG	17.20
Counting dates for energy vary according to the species.		
Germination kinetics by image analysis (average rate of germination, kinetic curve).	GE-CI	sylvie.ducournau@geves.fr
Seedling development tests		
Corn root length evaluation after 7 days germination at 15°C (4 replicates of 20 seeds).	GE-RAC	66.00
Dry biomass of 4 replicates of 20 seedlings after germination test.	GE-BIOM	NEW 48.00
Growth kinetics by image analysis (Eloncam bench).	GE-ELON	sylvie.ducournau@geves.fr
Screening in partnership with Screenseed		
Automated screening in microplate (96 wells) for the evaluation of treatments on seed germination.	GE-CRI	sylvie.ducournau@geves.fr

Disease test supplies: inoculum and reference material

The available pests are listed on www.geves.fr. Specific preparation of isolate can also be done in the form of inoculum or artificially contaminated seeds. Warning: For the handling of quarantine pests, laboratories must be authorised to hold (Regulation 2019/829)

Warning: For the handling of quarantine pests, laboratories must be authorised to hold (Regulation	n 2019/829)			
Specifics preparations of pests' inoculum				
		Size Du	ıration	Price
Specific preparation				
Suspension of <i>Ditylenchus dipsaci larvae</i> (exemple of price: 1270€ to inoculate 9000 plants).	PA-AD-DIT		Conta	act SNES
Beet seedlings contaminated with viruliferous aphids Myzus persicae carrying yellowing virus	PA-AD-MYZ		Conta	act SNES
BChV (Beet chlorosis virus).				
Other isolates and inoculum				
One tray of 140 seedlings infected by a race of stripe/yellow rust (<i>Puccinia striiformis</i>). Contact jean-philippe.maigniel@geves.fr.	PA-AD-ROU2	/	/	104.00
100 mg of a vial of spores of stripe rust (<i>Puccinia striiformis</i>) or brown rust (<i>Puccinia recondita</i>) or crown rust (<i>Puccinia coronata</i>).	PA-AD-ROU	/	/	50.0
Inoculum supplied in Petri dishes.	PA-AD-INOC		Conta	act SNES
Inoculum supplied as contaminated cotyledons, plants or fresh leaves.	PA-AD-INOP		Conta	act SNES
Inoculum supplied in artificially contaminated grains that have lost germination capacity or artificially contaminated seeds that have maintained a germination capacity.	PA-AD-INOG		Conta	act SNES
Inoculum supplied in liquid suspension.	PA-AD-INOL		Conta	act SNES
Cyst of Globodera pallida ⁴⁰ or Globodera rostochiensis ⁴⁰ .	PA-AD-GLO		Conta	act SNES
Cyst of Heterodera schachtii.	PA-AD-HET		Conta	act SNES
Bioagressors isolates Specific preparation of reference isolate in Petri dishes (2 dishes/strain), dessicated (Bos) (1 g) or po	opulation of free	PA-AD-FOU		150.0
living nematodes or cysts (around 20).	opulation of free	ra-ab-roo		130.0
Specific preparation of 5 g of galls of <i>Meloïdogyne incognita</i> (for inoculation of 15 to 20 plantlets).		PA-AD-MEL	NEW	160.0
Specific preparation of 5 g of galls of Plasmodiophora brassicae (for inoculation of 50 to 100 plantle	ets).	PA-AD-PLAD	NEW	160.0
Specific preparation				
50 to 100 seeds of germinated Sunflower seeds contaminated by <i>Plasmopara halstedii</i> (downy mile	dew).	PA-AD-TOU2		137.0
Lettuce seedlings infected with 1 race of <i>Bremia lactucae</i> , 30 cotyledons in the test period.		PA-AD-BREM		160.0
Erysiphe pisi, 2 seedlings with presence of sporulation.		PA-AD-ERYS		160.0
2 cotyledons of Melon infected by 1 race of <i>Golovinomyces cichoracearum</i> (powdery mildew).		PA-AD-GOL		160.0
2 cotyledons of Melon infected by 1 race of <i>Podosphaera xanthii</i> (powdery mildew).		PA-AD-POD		160.0
2 Lettuce seedlings infected with <i>Nasonovia ribisnigri</i> race Nr: 0 with presence of apterae.		PA-AD-NAS	ALEXA/	160.0
30 leaves of Basil contaminated by <i>Peronospora belbahri</i> .		PA-AD-BEL	NEVV	160.0
Controls/differential hosts vegetables (MATREF) for one sowing unit (1 g for Bremia,				
200 seeds for other pathogens) Complete pack of differential hosts for <i>Bremia</i> of Lettuce.		PA-HD-BLAI		326.0
Carrot.		PA-HD-CAR		43.8
iquash.		PA-HD-COU		77.0
Vatermelon.		PA-HD-PAS		77.0
Bean.		PA-HD-HAR		60.0
ettuce.		PA-HD-LAI		60.0
Corn salad.		PA-HD-MAC		43.8
Melon.		PA-HD-MEL		77.0
Capsicum.		PA-HD-PIM		88.0
Pea.		PA-HD-POI		60.0
Tamada				
Tomato.		PA-HD-TOM		77.0

Tomato Rootstock.

PA-HD-PGTO

88.00

Sector support



INTER-LABORATORY COMPARATIVE TESTS

Inter-laboratory comparative tests enables comparison between laboratories or methods in different laboratories. For more information, visit our website www.geves.fr.

The organisation of comparative tests includes planning and delivery of documents to participants, preparation of samples, definition of a reference, interpretation of results and issuing of a final report.

Not included: supply of seeds cost (billed at actual price), and the shipment cost (billed on the basis of a Chronopost shipment).

Inter-laboratory proficiency tests – PT & Other comparisons		
	Price	Contact
Purity – All species (based on 15 participants).	165.00	
Germination – All species (based on 15 participants).	112.00	
Moisture content – All species (based on 15 participants).	72.00	
Thousand-seed weight – All species (based on 15 participants).	65.00	Fabienne BRUN eil.semences@geves.fr
Organisation of inter-laboratory comparisons tests on request.	Quotation	eli.semences@geves.ii
Supply of reference samples for internal laboratory control.	Quotation	_
Expertise in the case of atypic results on seeds assay or deviation found (control card for recognized laboratories).	Quotation	_

AUDITS

According to various standards (ISTA, recognition in the context of certification), laboratory audits can be carried out to analyse your organisation. One-day audit includes an analysis of a pre-audit file, the conducting of the audit as well as the audit report.

Contact: Fabienne Brun (audit.semences@geves.fr).

REFERENCE MATERIALS AND DOCUMENTS SUPPLIES (avalaible only in French)

 $Find all our publications and reference materials in the different chapters of the price list and on our website \underline{www.geves.fr}.$

TRAININGS - EXPERTISES				
To apply for training		Price		Contact
Technichal training with SNES.		1		Fabienne BRUN
Seed quality analysis, inter or in-company, at SNES or on-site.			form	nation.semences@geves.fr
Technichal training with BioGEVES.		1	bi	ogeves.analyses@geves.fr
Technichal training with SEV.		/		rachel.tessier@geves.fr
For the setting up of an expertise in an international context				
Technical expertise and visit.		1		kaat.hellyn@geves.fr
Collective reading of results				
Collective reading of germination results, details of abnormals and debriefing of the results reading. Fee per sample.	GE-LECT	90.00€	NEW	service.clients@geves.fr

OUR PUBLICATIONS

AND REFERENCE MATERIAL







More information at www.geves.fr

Contact: Inr.semences@geves.fr



Groupe d'Étude et de contrôle des Variétés Et des Semences

Terms and Conditions



Article 1 – General Information

The present general terms and conditions of sale apply for services which appear in the GEVES price list (Variety and Seed Study and Control Group), public interest group governed by the constitutive convention of July 17, 1989, having made the object of an approval order dated July 17, 1989 and its modified constitutive convention of April 17, 2014 whose head office is located 25 rue George Morel, CS 90024, 49071 Beaucouzé Cedex FRANCE. The main official missions of GEVES are to conduct studies or analyses of:

- characterization and/or identification of varieties,
- agronomic quality of varieties,
- physical, physiological and sanitary control of seed.

Article 2 - Object and field of application

The analyses carried out within the framework of any order are in accordance with the present general terms of sale.

The placing of an order implies full acceptance of these general terms of sale which prevail on any other document of the customer, unless otherwise agreed between the customer

Geves reserves itself the right to modify the present general terms of sale.

Article 3 - Orders

3-1) Order taking

The orders are definitive only when the present general terms of sale are full accepted by the legal representative of the customer or any person duly appointed for that purpose

The customer has to respect the terms of the supply of material described in the GEVES price list.

The terms of the orders transmitted to GEVES are irrevocable for the customer, except written acceptance from GEVES. On this assumption, GEVES will not be held anymore by the deadlines agreed upon at the moment of the initial order.

If a customer places an order to GEVES, without having carried out the payment of preceding orders despite reminder from GEVES, GEVES can repudiate the order, without the customer being able to claim any allowance, whatever the reason.

GEVES reserves itself the right to refuse any order.

Article 4 - Delivery of the results

4-1) Delivery time

The delivery time of the results are given only on a purely informative and indicative basis; those depending in particular on arrival of the orders, the respect of the conditions of preparation of the samples sent by the customer (weight, number, packing for example), request for more information, or complementary analyses. For each service, useful information is available on the GEVES website (www.geves.fr). In any assumption, the delivery within the deadlines can intervene only if the customer is up to date of his obligations with GEVES.

GEVES shall endeavor to meet agreed deadlines with the customer.

Delays of delivery of results cannot lead to any penalty or allowance, nor to justify the cancellation of the order.

4-2) Terms

The delivery of the results is made by paper form or by electronic way.

4-3) Complaints

The complaints are to be forwarded to the customer service of GEVES whose contacts appear in the GEVES price list. GEVES acknowledges to the customer the receipt of the complaint, deals with it and defines an appropriate treatment as soon as possible. GEVES shall inform the plaintiff of the progress of the claim and the conclusions.

Except explicit indication of the customer validated by the customer service of GEVES whose references are indicated on the GEVES price list, no material submitted for analysis will be

Article 6 - Guarantee - Liabilities

6-1) Scope

GEVES provides services. As such, GEVES is under the obligation of best effort. It could not be held responsible for non-satisfactory results from the point of view of the customer, for causes of which it does not have the control. GEVES will have, if necessary, to issue reserves

6-2) Exclusions

If the elements provided by the customer do not allow the fulfillment of the ordered service, GEVES will inform the customer. If this situation persists, the liability of GEVES could in no way be required.

In particular, GEVES could not be held responsible for sampling (except for Orange ISTA Certificates for which GEVES is responsible for sampling), the collecting, the conditioning and the transport of the samples, which is the customer's entire liability. Moreover, the samples received at GEVES shall be in good condition of conservation and shall not present identified risk for the staff of GEVES or for the environment. When a phytosanitary treatment has been applied, the customer shall inform GEVES

The customer waives all right to take any action against GEVES for all losses or all direct or indirect damages resulting from the services, as well as in the situation where the services of GEVES would be unsuitable for the uses of the customer.

The rates applied to the orders are those indicated in the GEVES price list, unless particular conditions negotiated with GEVES.

Any order made on the basis of a quotation established by GEVES will be taken into account only after signature of the quotation, by the legal representative of the customer or any

person duly elected for that purpose.

Prices are indicated exclusive of VAT, based on current rates and will be increased by current taxes of all types on the invoicing date.

Amounts are indicated in Euros. Payments should be made in Euros.

The transport fees of the samples provided to GEVES for analysis are always at the charge of

Article 8 - Invoicing

Any order, even if it is cancelled during the execution of the service, will give rise to an invoice. Elements of identification of the customer and ordered services are indicated on the invoices. The customer service of GEVES whose references appear in GEVES price list can be contacted for any question related to the invoice.

Article 9 - Payment

9.1) - Time for payment

The maximum payment time is 60 days from the date of emission of the invoice.

9.2) - Terms

The payments shall be made:

- by French postal or bank check or credit or postal transfer addressed to: GEVES, 25 rue George Morel, CS 90024, 49071 Beaucouzé Cedex FRANCE

- by signed and accepted draft or promissory note. GEVES does not authorize any discount for cash payment or on a former date to those resulting from these general terms of sale.

9.3) - Delay of payment

Any sum still not paid at the due date by the customer will give rise to the payment of penalties at the rate of the European Central Bank plus 10 points and a lump sum of 40 Euros for recovery costs in compliance with Decree n° 2012-1115. These penalties are payable automatically without prior notice from GEVES on the date following the due date. Moreover, GEVES reserves itself the faculty to apply to the competent court of law to stop this non-fulfillment, under penalty per day of delay.

Article 10 - Confidentiality - Rights of ownership

GEVES guarantees the confidentiality of the results of analysis, unless the detection of a quarantine pathogen. Under such circumstances, GEVES has to communicate immediately to the qualified services of the ministry in charge of agriculture all information relating to the material in which the quarantine pathogen was identified.

This exception also applies to other situations, such as the detection of fortuitous presence of GMO, if the regulation in force imposes to GEVES to communicate information to the qualified services of the French State.

The results provided by GEVES can in no way being modified, reproduced or diffused even in a partial way, to third party, without the preliminary authorization of GEVES. Duplicates can be obtained on request at the customer service of GEVES whose references are indicated on GEVES price list.

Article 11 - Personal data

For any processing of personal data carried out in connection with this Quotation, the Parties shall comply with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data, as transposed into French Law No 2018-493 of 20 June 2018.

Each Party represents and warrants to the other Party that it will strictly comply with GDPR for any processing of personal data in connection with this Quotation.

Personal data collected and processed by the Parties in the context of this contractual relation are necessary for its execution (legal basis). They are kept for a period of 10 years (retention period) from the date of the end of the Quotation.

Article 12 - Agreement of proof

In accordance with Articles 1316-1 to 1316-4 of the Civil code, documents in electronic form are admitted as evidence in the same way as paper-based documents

The Parties expressly agree that this Quotation concluded in electronic form and signed in a dematerialized way, as well as the documents relating to it:

- Constitute the original documents:
- Are drawn up and kept under conditions that guarantee their integrity;
- Are perfectly valid between them. As such, the Parties undertake not to challenge the validity, enforceability or probative value of this Quotation and the documents relating to it on the basis of their conclusion or transmission by electronic means;
- Constitute written evidence within the meaning of the aforementioned Articles 1316-1 to 1316-4 of the Civil Code. Thus, this Quotation concluded by electronic means is deemed to be evidence of the content of the Quotation, of the identity of the signatories and of their consent to the obligations arising from the Quotation.

Article 13 - Force majeure

The emergence of a case of force majeure causes the suspension of the execution of the

Article 14 - Attribution of jurisdiction

For all disputes relating to the services carried out by GEVES, including those relatives to the interpretation of the general terms of sale, the jurisdictions of Angers shall be qualified.

Article 15 - Applicable law

The present general terms of sale, and any question which it would omit to treat, shall be exclusively governed by the French law.

By appending his signature on the Quotation, the customer:

- recognizes and accepts without reserve the present general terms of sale and that those will apply to all the further orders until communication of new general terms of sale by
- declares that he has read and accepts them,
- waives its own purchasing conditions



Groupe d'Étude et de contrôle des Variétés Et des Semences

Visit our website: www.geves.fr



