



JARDINS BOTANIKES
du GRAND NANCY et de
l'UNIVERSITÉ DE LORRAINE



index seminum 2019

seed list 2019

index seminum 2020

seed list 2020

Jardins
botaniques
de France
et des pays
francophones

[botanik]

**métropole
GrandNancy**
Eurocité humaine



UNIVERSITÉ
DE LORRAINE



Culture

Salicornia europaea L.

photographie - infographie : Pierre-François VALCK / JBN

HORTUS BOTANICUS NANCEIANUS
INDEX SPORARUM ET SEMINUM
ANNO 2019 - 2020
Catalogue des spores et semences 2019 - 2020
List of spores and seeds 2019 - 2020

Les Jardins Botaniques sont un établissement de culture scientifique et technique cogéré par la Métropole du Grand Nancy et par l'Université de Lorraine.

Ils comprennent :

- Le Jardin Botanique Jean-Marie Pelt à Villers-lès-Nancy
- Le Jardin d'Altitude du Haut Chitelet à Xonrupt-Longemer (Hautes-Vosges)

The Botanical gardens are a centre of scientific and technical knowledge. They are directed by Métropole du Grand Nancy and Université de Lorraine.

They have two gardens:

- Jean-Marie Pelt Botanical Garden in Villers-lès-Nancy
- Haut Chitelet Alpine Garden in Xonrupt-Longemer (Hautes-Vosges)

Jardins Botaniques du Grand Nancy et de l'Université de Lorraine.

100, rue du jardin botanique

54600 Villers-lès-Nancy- France

Tél. 33(0)3 83 41 47 47 – Fax 33(0)3 83 27 86 59

www.jardinbotaniquedenancy.eu

Index.Seminumcjb@grand-nancy.org

Directeur / Director : M. Frédéric PAUTZ

Métropole du Grand Nancy – Université de Lorraine

Table des matières / Contents

Sporae et semina e plantis lotharingiae circumjacentrum partuim in loco natali lecta
Spores ou semences de plantes récoltées dans la nature, Nord-Est de la France
Spores or seeds from plants growing in the wild, North-East France

Zones humides et mares salées* de Lorraine / Wet areas and salt marshes* at Lorraine

<i>MONOCOTYLEDONEAE</i> _____	8
<i>EUDICOTYLEDONEAE</i> _____	10

Massif des Vosges / Vosges Mountains

<i>PTERIDOPHYTA</i> _____	18
<i>GYMNOSPERMAE</i> _____	19
<i>MONOCOTYLEDONEAE</i> _____	19
<i>EUDICOTYLEDONEAE</i> _____	23

Semina plantarum in aperto cultarum

Semences de plantes de pleine-terre récoltées dans le Jardin Botanique Jean-Marie Pelt
Seeds from plants growing in the open in the Jean-Marie-Pelt Botanical Garden

<i>GYMNOSPERMAE</i> _____	39
<i>MAGNOLIIDAE</i> _____	39
<i>MONOCOTYLEDONEAE</i> _____	39
<i>EUDICOTYLEDONEAE</i> _____	40

Sporae et semina e plantis in horto botanico alpino cultis

Spores ou semences de plantes récoltées au Jardin d'Altitude du Haut Chitelet
Spores or seeds from plants collected in the Haut Chitelet Alpine Garden

<i>GYMNOSPERMAE</i> _____	53
<i>MONOCOTYLEDONEAE</i> _____	53
<i>EUDICOTYLEDONEAE</i> _____	54

Sporae et semina e plantis in caldaris cultis

Spores ou semences de plantes récoltées dans les serres
Spores or seeds from plants growing in greenhouses

<i>PTERIDOPHYTA</i> _____	65
<i>MAGNOLIIDAE</i> _____	66
<i>MONOCOTYLEDONEAE</i> _____	66
<i>EUDICOTYLEDONEAE</i> _____	68

Bibliographie / Bibliography _____	76
---	----

Les Jardins Botaniques du Grand Nancy et de l'Université de Lorraine et l'IPEN

(INTERNATIONAL PLANT EXCHANGE NETWORK)

Les **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** adhèrent à l'IPEN, le réseau international d'échange de plantes. À ce titre, le matériel proposé dans son Index Seminum respecte le code de conduite spécifique à l'IPEN.

Le numéro IPEN associé à chaque semence est composé de la façon suivante :

XX-0-NCY-20050369G

-Les deux premières lettres correspondent au code ISO du pays d'origine, (XX indique que le pays d'origine est inconnu).

-Le chiffre suivant indique l'existence de restrictions spéciales (1) ou l'absence (0).

-Les lettres suivantes indiquent le code du jardin botanique (exemple : Nancy, NCY).

-Les huit chiffres suivants et la dernière lettre constituent le numéro interne d'accession :

-Les quatre premiers chiffres indiquent l'année d'enregistrement.

-Le chiffre suivant est un code de localisation dans le jardin.

-Les trois derniers chiffres représentent le numéro d'accession durant l'année concernée.

-La dernière lettre indique l'origine de la plante : W = plante d'origine sauvage, Z = plante d'origine sauvage en culture et G = plante d'origine cultivée.

Le numéro IPEN dans son ensemble doit toujours rester lié à l'accession et à ses descendants, de sorte que l'origine du matériel puisse toujours être retrouvée.

The **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** are a member of the International Plant Exchange Network (IPEN) and provide plant material only in accordance with the IPEN Code of Conduct.

The IPEN number given with the seed names consists of the following positions:

XX-0-NCY-20050369G

-The first two characters are the ISO-code of the country of origin (XX means country of origin unknown).

-The next position is a digit meaning: special restrictions (1) or not (0).

-The next position is the abbreviation of the garden (example: Nancy, NCY).

-The rest consists of the internal accession number:

-The first four digits indicate the year of registration.

-The next one is coding for the garden location.

-The last three are a sequence number within a year.

-The last character indicates the provenance of the plant : W = accession of wild source, Z = from a wild source plant in cultivation and G = from garden origin.

The IPEN number as a whole must always stay attached to the accession and its descendants, so that the origin of the material can always be traced back.

Avertissements / Warning

Conservation des semences

Afin de préserver leur faculté germinative, les semences récoltées dans la nature, dans les collections tempérées du Jardin Botanique Jean-Marie Pelt, ainsi qu'au Jardin d'Altitude du Haut Chitelet sont conservées à une température de 5° C.

Seeds conservation

To preserve their germination rate, seeds harvested in the wild and in the temperate collections (Jardin Botanique Jean-Marie Pelt and Haut Chitelet Alpine Garden) are kept at a temperature of 5 °C.

Espèces invasives

Les **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** ne peuvent être tenus responsables des dommages écologiques causés par l'introduction d'espèces proposées dans cet index dans les jardins des institutions receveuses ou dans la nature.

Il est de la responsabilité des correspondants d'anticiper les réponses du végétal aux conditions locales, de s'assurer que les plantes ne s'échappent pas de l'enceinte de leur jardin et ne deviennent pas invasives dans l'environnement local.

Invasive species

The **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** can accept no responsibility for any ecological damage caused by the introduction of species offered in this list into recipients' gardens or into the wild.

It is the responsibility of receiving institutions to anticipate plant responses to local conditions, and to ensure that plants do not escape from their garden and become invasive weeds in the local environment.

Texte d'avertissement emprunté au Muséum national d'Histoire naturelle de Paris avec leur aimable autorisation.

Text taken from Muséum national d'Histoire naturelle de Paris with their permission.

Classification

La classification des familles utilisée aux Jardins Botaniques du Grand Nancy et de l'Université de Lorraine est celle de l'APG IV pour les spermatophytes et du PPG I pour les ptéridophytes.

We use the classification of the APG IV for seed plants families. For ferns and allies, we follow PPG I.

ANGIOSPERM PHYLOGENY GROUP (2016) - An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. The Linnean Society of London, Botanical Journal of the Linnean Society, 181: 1-20

PPG I (2016)-A community-derived classification for extant lycophytes and ferns. Journal of Systematics and Evolution, 54 (6): 563–603. doi:10.1111/jse.12229

Nomenclature et taxonomie

La nomenclature utilisée pour la flore métropolitaine est basée sur le référentiel taxonomique TAXREF (version disponible en ligne, visualisation décembre 2019 : Référentiel taxonomique des taxons de faune et de flore pour la France métropolitaine et les départements d'outre-mer).

Pour la flore exotique, les références principales sont WCSP (phanérogames *pro parte*), CFLW (ptéridophytes *s.l.*), POWO ou bases de données et monographies génériques ou familiales (voir bibliographie pour le détail).

L'orthographe des noms d'auteurs et latins suit le référentiel IPNI.

Nomenclature and Taxonomy

The nomenclature used for metropolitan flora is based on the referential taxonomic TAXREF (Version available online): Taxonomic reference for taxa of fauna and flora for France metropolitan and overseas departments.

For Exotic flora, most of plants are treated following WCSP (phanerogames *pro parte*), CFLW (pteridophytes *s.l.*), POWO or online databases and generic or familial monographies (see bibliography for details).

Orthography for authors and latins names follow IPNI standard.

**SPORAE ET SEMINA E PLANTIS LOTHARINGIAE
CIRCUMJACENTIUM PARTIUM
IN LOCO NATALI LECTA**

**Spores ou semences récoltées dans la nature,
Nord-Est de la France**

Les thèmes choisis pour les récoltes effectuées en 2019 sont :

- Zones humides et mares salées* de Lorraine
- Massif des Vosges

**Spores or seeds from plants growing in the wild,
North East of France**

The themes of 2019 are:

- Wet areas and salt marshes* at Lorraine
- Vosges Mountains



Carte de la région Grand-Est



Étang Véry (54)
Photographie : Guy SEZNEC

Zones humides et mares salées* de Lorraine

Wet areas and salt marshes* at Lorraine

PHANEROGAMAE

ANGIOSPERMAE

MONOCOTYLEDONEAE

Amaryllidaceae

1 **Allium vineale* L.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195053W

Butomaceae

2 *Butomus umbellatus* L.

54, Flavigny-sur-Moselle, les Grands Pâquis,
N 48°34'07.3" E 006°11'34.9", 228 m
FR-0-NCY-20135098W

Cyperaceae

3 **Bolboschoenus maritimus* (L.) Palla

54, Art-sur-Meurthe, Fleurichamp,
N 48°39'24.7" E 006°15'00.2", 202m
FR-0-NCY-20145049W

4 **Bolboschoenus maritimus* (L.) Palla

57, Vic-sur-Seille, le Pré Léo,
N 48°47'13.6" E 006°32'53.8", 200 m
FR-0-NCY-20135083W

5 *Carex cuprina* (Sandor ex Heuff.) Nendtv. ex
A.Kern.

54, Bayon, berge de la Moselle,
N 48°28'20.0" E 006°18'31.5", 244 m
FR-0-NCY-20135084W

6 **Carex distans* L.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20145009W

7 *Carex paniculata* L.

subsp. *paniculata*
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20195087W

8 *Carex pendula* Huds.

67, Grandfontaine, les Prés des Masson,
N 48°30'04.2" E 007°06'06.5", 475 m
FR-0-NCY-20125069W

9 *Carex remota* L.

57, Lindre-Basse, Voite Etang,
N 48°47'32.8" E 006°43'23.6", 213 m
FR-0-NCY-20195054W

10 *Carex vesicaria* L.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20195088W

11 *Cyperus fuscus* L.

88, Socourt, les Grands Pâquis,
N 48°23'41.4" E 006°15'36.1", 262 m
FR-0-NCY-20145097W

12 *Eleocharis palustris* (L.) Roem. & Schult.

54, Tonnoy, le Grand Vanné,
N 48°32'53.5" E 006°14'19.0", 233 m
FR-0-NCY-20135088W

14 *Scirpus sylvaticus* L.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'08.4" E 006°07'30.2", 349 m
FR-0-NCY-20145045W

15 *Scirpus sylvaticus* L.

57, Lindre-Basse, Voite Etang,
N 48°47'32.8" E 006°43'23.6", 213 m
FR-0-NCY-20195055W

Iridaceae

16 *Iris pseudacorus* L.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'08.9" E 006°07'30.7", 349 m
FR-0-NCY-20145105W

Juncaceae

18 *Juncus compressus* Loisel.

54, Art-sur-Meurthe, la Tuilerie,
N 48°40'08.1" E 006°14'55.6", 217 m
FR-0-NCY-20195100W

19* *Juncus compressus* Loisel.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195056W

20* *Juncus gerardi* Loisel.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'06.9" E 006°41'34.3", 206 m
FR-0-NCY-20145010W

21* *Juncus gerardi* Loisel.

57, Marsal, N 48°47'24.9" E 006°36'14.6", 203 m
FR-0-NCY-20135074W

22* *Juncus inflexus* L.

54, Art-sur-Meurthe, la Tuilerie,
N 48°40'08.1" E 006°14'55.6", 217 m
FR-0-NCY-20195099W

23 *Juncus inflexus* L.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'08.4" E 006°07'30.2", 349 m
FR-0-NCY-20145046W

Orchidaceae

24 *Epipactis palustris* (L.) Crantz

55, Morley, forêt de Morley,
N 48°33'32.3" E 005°11'55.8", 325 m
FR-0-NCY-20125093W

Poaceae

25 *Brachypodium sylvaticum* (Huds.) P.Beauv.

54, Flavigny-sur-Moselle, les Grands Pâquis,
N 48°34'00.6" E 006°11'39.9", 230 m
FR-0-NCY-20135086W

26* *Briza media* L.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20145011W

27 *Bromopsis ramosa* (Huds.) Holub

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'08.9" E 006°07'30.7", 349 m
FR-0-NCY-20145171W

30* *Danthonia decumbens* (L.) DC.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20145012W

31 *Elymus caninus* (L.) L.

54, Tonnoy, les Cent Saulx,
N 48°33'13.9" E 006°14'21.5", 234 m
FR-0-NCY-20135087W

32 *Elytrigia repens* (L.) Desv. ex Nevski subsp. *repens*

54, Bayon, berges de la Moselle,
N 48°28'17.5" E 006°18'32.6", 244 m
FR-0-NCY-20145070W

34* *Elytrigia repens* (L.) Desv. ex Nevski subsp. *repens*

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195058W

35 *Eragrostis minor* Host

54, Messein, Etang de la ballastière,
N 48°36'13.0" E 006°08'51.8", 220 m
FR-0-NCY-20145116W

36 *Glyceria maxima* (Hartm.) Holmb.

57, Lindre-Basse, Voite Etang,
N 48°47'32.8" E 006°43'23.6", 213 m
FR-0-NCY-20195060W

37* *Hordeum secalinum* Schreb.

54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.0" E 006°15'01.6", 202 m
FR-0-NCY-20195101W

38 *Leersia oryzoides* (L.) Sw.

54, Flavigny-sur-Moselle, les Grands Pâquis,
N 48°34'07.3" E 006°11'34.9", 228 m
FR-0-NCY-20135085W

39 *Phleum pratense* L.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20145047W

40 *Poa palustris* L.
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'53.1" E 006°16'01.3", 235 m
FR-0-NCY-20145117W

42 * *Puccinellia distans* (Jacq.) Parl.
subsp. *distans*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195057W

43 *Schedonorus giganteus* (L.) Thell.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20145050W

Potamogetonaceae

44 *Potamogeton natans* L.
54, Champigneulles, Etang de Bellefontaine,
N 48°42'54.5" E 006°07'25.3", 225 m
FR-0-NCY-20195076W

Typhaceae

45 *Sparganium emersum* Rehmann
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'08.9" E 006°07'30.7", 349 m
FR-0-NCY-20145051W

46 *Sparganium erectum* L.
subsp. *erectum*
54, Flavigny-sur-Moselle, les Grands Pâquis,
N 48°34'07.3" E 006°11'34.9", 228 m
FR-0-NCY-20135100W

47 *Sparganium erectum* L.
subsp. *erectum*
88, Socourt, les Grands Pâquis,
N 48°23'41.4" E 006°15'36.1", 262 m
FR-0-NCY-20145098W

48 *Typha latifolia* L.
54, Champigneulles, Etang de Bellefontaine,
N 48°42'54.5" E 006°07'25.3", 225 m
FR-0-NCY-20135118W

EUDICOTYLEDONEAE

Amaranthaceae

49 * *Atriplex prostrata* Boucher ex DC.
54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.0" E 006°15'01.6", 202 m
FR-0-NCY-20195096W

51 * *Atriplex prostrata* Boucher ex DC.
57, Vic-sur-Seille, le Pré Léo,
N 48°47'13.7" E 006°33'13.9", 200 m
FR-0-NCY-20135161W

52 *Lipandra polysperma* (L.) S.Fuentes, Uotila & Borsch
54, Bayon, berge de la Moselle,
N 48°28'09.5" E 006°18'43.8", 245 m
FR-0-NCY-20145052W

53 * *Oxybasis chenopodioides* (L.) S.Fuentes,
Uotila & Borsch
57, Blanche-Eglise, le Rond Buisson,
N 48°48'07.1" E 006°41'39.6", 206 m
FR-0-NCY-20135073W

54 * *Oxybasis rubra* (L.) S.Fuentes, Uotila & Borsch
54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.0" E 006°15'01.6", 204 m
FR-0-NCY-20145108W

55 * *Salicornia europaea* L.
54, Art-sur-Meurthe, Fleurichamp,
N 48°39'23.0" E 006°15'03.2", 204 m
FR-0-NCY-20145164W

56 * *Salicornia europaea* L.
54, Laneuveville-devant-Nancy, la Noue,
N 48°39'12.2" E 006°14'22.0", 200 m
FR-0-NCY-20135176W

Apiaceae

57 * *Angelica sylvestris* L.
subsp. *sylvestris*
57, Vic-sur-Seille, le Pré Léo,
N 48°47'17.2" E 006°32'52.0", 202 m
FR-0-NCY-20135071W

58 * *Berula erecta* (Huds.) Coville
57, Vic-sur-Seille, le Pré Léo,
N 48°47'13.6" E 006°32'53.8", 200 m
FR-0-NCY-20135070W

59 *Chaerophyllum bulbosum* L.
54, Art-sur-Meurthe, Bosserville,
N 48°39'40.5" E 006°14'23.2", 200 m
FR-0-NCY-20145036W

60 *Helosciadium nodiflorum* (L.) W.D.J.Koch
var. *nodiflorum*
54, Champigneulles, Etang de Bellefontaine,
N 48°42'54.5" E 006°07'25.3", 225 m
FR-0-NCY-20195075W

61 *Pimpinella major* (L.) Huds.
var. *major*
54, Royaumeix, Forêt de la Reine, Tranchée de
Neuf-Moulin,
N 48°46'09.6" E 005°48'48.5", 235 m
FR-0-NCY-20195092W

62 *Silaum silaus* (L.) Schinz & Thell.
var. *silaus*
54, Parey-St-Cézaire, Haut de Malner,
N 48°31'34.1" E 006°03'31.2", 290 m
FR-0-NCY-20195121W

63 * *Silaum silaus* (L.) Schinz & Thell.
var. *silaus*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'05.0" E 006°41'37.6", 207 m
FR-0-NCY-20135164W

Asteraceae

64* *Achillea millefolium* L.
subsp. *millefolium*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195041W

65 *Achillea ptarmica* L.
subsp. *ptarmica*
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'53.1" E 006°16'01.3", 235 m
FR-0-NCY-20145109W

67 *Bidens frondosa* L.
var. *frondosa*
54, Bayon, berge de la Moselle,
N 48°28'09.6" E 006°18'43.4", 245 m
FR-0-NCY-20145053W

68 *Bidens frondosa* L.
var. *frondosa*
54, Tonnoy, les Cent Saulx, St.pomp.,
N 48°33'07.7" E 006°14'41.8", 231 m
FR-0-NCY-20135094W

69 *Carduus crispus* L.
subsp. *crispus*
54, Bayon, berge de la Moselle,
N 48°28'20.0" E 006°18'31.5", 244 m
FR-0-NCY-20135104W

70 *Centaurea stoebe* L.
54, Mont-sur-Meurthe, ancienne gare,
N 48°33'37.5" E 006°27'14.3", 220 m
FR-0-NCY-20195066W

71 *Cirsium oleraceum* (L.) Scop.
54, Champigneulles, Bonnefontaine, St.pomp.,
N 48°42'54.5" E 006°07'25.3" 227 m
FR-0-NCY-20135115W

72* *Cirsium oleraceum* (L.) Scop.
57, Lezey, Basse Récourt,
N 48°45'25.6" E 006°36'47.1", 205 m
FR-0-NCY-20135075W

73* *Eupatorium cannabinum* L.
54, Laneuveville-devant-Nancy, la Noue,
N 48°39'03.1" E 006°14'24.1", 205 m
FR-0-NCY-20135116W

74 * *Helminthotheca echioides* (L.) Holub
54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.5" E 006°15'13.7", 205 m
FR-0-NCY-20145048W

75* *Helminthotheca echioides* (L.) Holub
54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.5" E 006°15'13.7", 205 m
FR-0-NCY-20135117W

76 * *Jacobaea aquatica* (Hill) P.Gaertn
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20145007W

77* *Leontodon saxatilis* Lam.
subsp. *saxatilis*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195042W

78* *Leontodon saxatilis* Lam.
subsp. *saxatilis*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20145008W

79 **Leucanthemum ircutianum* DC.
subsp. *ircutianum*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195044W

80* *Pulicaria dysenterica* (L.) Bernh.
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195043W

81 **Pulicaria dysenterica* (L.) Bernh.
57, Blanche-Eglise, le Rond Buisson,
N 48°48'05.0" E 006°41'37.6", 207 m
FR-0-NCY-20135162W

82 **Tripolium pannonicum* (Jacq.) Dobrocz.
54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.0" E 006°15'01.6", 202 m
FR-0-NCY-20195097W

Boraginaceae

83* *Symphytum officinale* L.
subsp. *officinale*
57, Vic-sur-Seille, le Pré Léo,
N 48°47'17.2" E 006°32'52.0", 202 m
FR-0-NCY-20135078W

Brassicaceae

84 *Alliaria petiolata* (M.Bieb.) Cavara & Grande
54, Flavigny-sur-Moselle, les Grands Pâquis,
N 48°34'06.7" E 006°11'33.0", 225 m
FR-0-NCY-20135101W

85 *Brassica nigra* (L.) W.D.J.Koch
54, Tonnoy, les Cent Saulx, St.pomp.,
N 48°33'09.0" E 006°14'32.7", 231 m
FR-0-NCY-20135107W

86 **Brassica nigra* (L.) W.D.J.Koch
57, Amélecourt, Les Grands Corres,
N 48°49'45.1" E 006°31'10.2", 205 m.
FR-0-NCY-20185084W

87 *Draba muralis* L.
88, Charmes, l'Île sous Essegney,
N 48°22'08.0" E 006°18'05.6", 270 m
FR-0-NCY-20135002W

88 *Draba verna* L.
var. *spathulata* (Láng) B.Bock
88, Charmes, l'Île sous Essegney,
N 48°22'08.0" E 006°18'05.6", 270 m
FR-0-NCY-20135001W

89 *Erysimum cheiranthoides* L.
54, Bayon, berge de la Moselle,
N 48°28'10.7" E 006°18'42.1", 244 m
FR-0-NCY-20145054W

90 *Erysimum cheiranthoides* L.
54, Tonnoy, les Cent Saulx, St.pomp.,
N 48°33'07.7" E 006°14'41.8", 231m
FR-0-NCY-20135093W

92 *Lepidium campestre* (L.) R.Br.
54, Bayon, berge de la Moselle,
N 48°28'30.3" E 006°18'31.9", 244 m
FR-0-NCY-20145056W

93 *Lepidium campestre* (L.) R.Br.
88, Charmes, l'Île sous Essegney,
N 48°22'10.9" E 006°18'05.8", 270 m
FR-0-NCY-20135106W

94 *Lepidium virginicum* L.
54, Bayon, berge de la Moselle,
N 48°28'10.7" E 006°18'42.1", 244 m
FR-0-NCY-20145055W

95 *Rorippa palustris* (L.) Besser
54, Pexonne, Croix la Marre,
N 48°28'12.2" E 006°53'51.5", 389 m
FR-0-NCY-20195005W

Campanulaceae

96 *Campanula trachelium* L.
subsp. *trachelium*
54, Royaumeix, Forêt de la Reine, Tranchée de
Neuf-Moulin,
N 48°46'09.6" E 005°48'48.5", 235 m
FR-0-NCY-20195095W

Cannabaceae

97 *Humulus lupulus* L.
54, Art-sur-Meurthe, Etang des Croquottes,
N 48°39'17.9" E 006°15'39.0", 203 m
FR-0-NCY-20145166W

98 *Humulus lupulus* L.
54, Tonnoy, les Cent Saulx, St.pomp.,
N 48°33'07.7" E 006°14'41.8", 231 m
FR-0-NCY-20135178W

Caprifoliaceae

99 *Valeriana officinalis* L.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20195084W

Caryophyllaceae

100 *Dianthus carthusianorum* L.

subsp. *carthusianorum*
54, Roville-devant-Bayon,
N 48°27'57.2" E 006°18'25.2", 247 m
FR-0-NCY-20155059W

101 *Myosoton aquaticum* (L.) Moench

54, Tonnoy, les Cent Saulx, St.pomp.
N 48°33'07.7" E 006°14'41.8", 231 m
FR-0-NCY-20135092W

102 *Saponaria officinalis* L.

54, Bayon, berge de la Moselle,
N 48°28'09.5" E 006°18'43.8", 245 m
FR-0-NCY-20145057W

103 *Saponaria officinalis* L.

54, Mont-sur-Meurthe, ancienne gare,
N 48°33'37.5" E 006°27'14.3", 220 m
FR-0-NCY-20195067W

104* *Spergula marina* (L.) Bartl. & H.L.Wendl.

57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195046W

105* *Spergula marina* (L.) Bartl. & H.L.Wendl.

54, Art-sur-Meurthe, Fleurichamp,
N 48°39'25.0" E 006°15'01.6", 202 m
FR-0-NCY-20145038W

Convolvulaceae

106 *Calystegia sepium* (L.) R.Br.

54, Bayon, berge de la Moselle,
N 48°28'09.6" E 006°18'43.4", 245 m
FR-0-NCY-20145058W

Fabaceae

107 *Lathyrus sylvestris* L.

54, Bayon, berge de la Moselle,
N 48°28'10.1" E 006°18'42.5", 245 m
FR-0-NCY-20145059W

108 *Trifolium arvense* L.

54, Roville-devant-Bayon, le Clos Thiriet,
N 48°27'46.1" E 006°18'30.8", 247 m
FR-0-NCY-20145060W

109 *Trifolium fragiferum* L.

54, Maizières, N 48°34'50.5" E 006°03'23.3",
252 m
FR-0-NCY-20195105W

Hypericaceae

110 *Hypericum hirsutum* L.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'09.1" E 006°07'30.3", 349 m
FR-0-NCY-20145101W

111 *Hypericum tetrapterum* Fr.

54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'05.0" E 006°07'27.2", 348 m
FR-0-NCY-20145100W

Lamiaceae

112 *Leonurus cardiaca* L.

54, Bainville-aux-Miroirs, bord de la Moselle,
N 48°26'17.3" E 006°16'55.8", 254 m
FR-0-NCY-20155061W

113 *Leonurus cardiaca* L.

54, Bayon, entre le parc Maillard et Bayon,
N 48°28'20.7" E 006°18'31.7", 244 m
FR-0-NCY-20145062W

114 *Lycopus europaeus* L.

var. *europaeus*
54, Maizières,
N 48°34'50.5" E 006°03'23.3", 252 m
FR-0-NCY-20195106W

115 *Scutellaria galericulata* L.

57, Lindre-Basse, Voite Etang,
N 48°47'32.8" E 006°43'23.6", 213 m
FR-0-NCY-20195048W

116 *Stachys palustris* L.

54, Bayon, face au parc Maillard,
N 48°28'30.5" E 006°18'22.9", 245 m
FR-0-NCY-20145064W

117 *Stachys palustris* L.

54, Maizières,
N 48°34'50.5" E 006°03'23.3", 252 m
FR-0-NCY-20195107W

118 *Stachys palustris* L.
57, Lindre-Basse, Voite Etang,
N 48°47'32.8" E 006°43'23.6", 213 m
FR-0-NCY-20195047W

Lythraceae

119 *Lythrum salicaria* L.
54, Maizières,
N 48°34'50.5" E 006°03'23.3", 252 m
FR-0-NCY-20195108W

Malvaceae

121 **Althaea officinalis* L.
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195049W

122 **Althaea officinalis* L.
57, Marsal,
N 48°47'24.9" E 006°36'14.6", 203 m
FR-0-NCY-20135077W

Onagraceae

123 *Epilobium hirsutum* L.
54, Champigneulles, Etang de Bellefontaine,
N 48°43'02.2" E 006°07'37.6", 232 m
FR-0-NCY-20135121W

124 *Epilobium obscurum* Schreb.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20195086W

125 *Epilobium parviflorum* Schreb.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20145102W

126 *Oenothera deflexa* R.R.Gates
54, Roville-devant-Bayon, le Clos Thiriet,
N 48°27'46.1" E 006°18'30.8", 247 m
FR-0-NCY-20145065W

Plantaginaceae

127 *Chaenorrhinum minus* (L.) Lange
subsp. *minus*
54, Bayon, berge de la Moselle,
N 48°28'09.5" E 006°18'43.8", 245 m
FR-0-NCY-20145066W

128* *Plantago major* L.
subsp. *major*
57, Vic-sur-Seille, le Pré Léo,
N 48°47'13.7" E 006°33'13.9", 200 m
FR-0-NCY-20135166W

Polygonaceae

129 *Fallopia dumetorum* (L.) Holub
54, Bayon, berge de la Moselle,
N 48°28'15.4" E 006°18'37.8", 245 m
FR-0-NCY-20145067W

130 *Persicaria lapathifolia* (L.) Delarbre
subsp. *lapathifolia*
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'52.9" E 006°16'12.0", 235 m
FR-0-NCY-20145113W

131 *Persicaria lapathifolia* (L.) Delarbre
subsp. *lapathifolia*
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'52.9" E 006°16'12.0", 235 m
FR-0-NCY-20145114W

132 *Persicaria mitis* (Schrank) Assenov
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'52.5" E 006°16'10.8", 235 m
FR-0-NCY-20145112W

133 *Rumex conglomeratus* Murray
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20145042W

134* *Rumex conglomeratus* Murray
57, Lezey, Basse Récourt,
N 48°45'25.6" E 006°36'47.1", 204 m
FR-0-NCY-20135159W

135 *Rumex crispus* L.
54, Art-sur-Meurthe, Etang des Croquottes,
N 48°39'17.9" E 006°15'39.0", 203 m
FR-0-NCY-20145041W

136 **Rumex crispus* L.
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195050W

137* *Rumex crispus* L.
57, Vic-sur-Seille, le Pré Léo,
N 48°47'13.7" E 006°33'13.9", 200 m
FR-0-NCY-20135158W

138 *Rumex hydrolapathum* Huds
54, Tomblaine, rive de la Meurthe,
N 48°41'17.4" E 006°12'26.1", 198 m
FR-0-NCY-20135111W

140 *Rumex hydrolapathum* Huds.
54, Art-sur-Meurthe, la Tuilerie,
N 48°40'08.1" E 006°14'55.6", 217 m
FR-0-NCY-20195098W

141 *Rumex hydrolapathum* Huds.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'28.4" E 006°07'05.7", 347 m
FR-0-NCY-20145104W

142 *Rumex maritimus* L.
57, Lindre-Basse, Voite Etang,
N 48°47'32.8" E 006°43'23.6", 213 m

139 *Rumex obtusifolius* L.
54, Tomblaine, rive de la Meurthe,
N 48°41'12.4" E 006°12'28.2", 196 m
FR-0-NCY-20135119WFR-0-NCY-20195051W

143 *Rumex sanguineus* L.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20145103W

Primulaceae

144 *Lysimachia vulgaris* L.
54, Tomblaine, rive de Meurthe,
N 48°41'19.6" E 006°12'25.3", 198 m
FR-0-NCY-20135177W

Ranunculaceae

145 *Myosurus minimus* L.
57, Lezey, Basse Récourt,
N 48°45'31.2" E 006°36'40.0", 203 m
FR-0-NCY-20135157W

146 *Ranunculus sceleratus* L.
57, Lezey, Basse Récourt,
N 48°45'25.6" E 006°36'47.1", 204 m
FR-0-NCY-20135168W

Rosaceae

147* *Agrimonia procera* Wallr.
57, Blanche-Eglise, le Rond Buisson,
N 48°48'05.0" E 006°41'37.6", 207 m
FR-0-NCY-20135167W

148 *Filipendula ulmaria* (L.) Maxim.
var. *ulmaria*
54, Champigneulles, Bonnefontaine, St.pomp.
N 48°42'54.5" E 006°07'25.3", 227 m
FR-0-NCY-20135114W

Rubiaceae

151 *Galium mollugo* L.
54, Villers-lès-Nancy, Clairlieu, les Cinq Fontaines,
N 48°39'13.4" E 006°07'32.7", 347 m
FR-0-NCY-20145043W

152* *Galium verum* L.
subsp. *verum*
57, Blanche-Eglise, le Rond Buisson,
N 48°48'04.4" E 006°41'39.5", 206 m
FR-0-NCY-20195052W

Saxifragaceae

153 *Saxifraga tridactylites* L.
88, Charmes, l'Île sous Essegney,
N 48°22'08.0" E 006°18'05.6", 270m
FR-0-NCY-20135003W

Scrophulariaceae

154 *Scrophularia auriculata* L.
54, Champigneulles, Etang de Bellefontaine,
N 48°42'54.5" E 006°07'25.3", 225 m
FR-0-NCY-20135120W

155 *Scrophularia nodosa* L.
54, Flavigny-sur-Moselle, les Grands Pâquis,
N 48°34'00.6" E 006°11'39.9", 230 m
FR-0-NCY-20135102W

156 *Verbascum blattaria* L.
54, Tomblaine, Grandes Saurups,
N 48°41'45.4" E 006°13'23.0", 207 m
FR-0-NCY-20145162W

157 *Verbascum nigrum* L.
subsp. *nigrum*
54, Mont-sur-Meurthe, ancienne gare,
N 48°33'37.5" E 006°27'14.3", 220 m
FR-0-NCY-20195069W

Solanaceae

158 *Solanum dulcamara* L.
var. *dulcamara*
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'48.9" E 006°16'26.6", 236 m
FR-0-NCY-20145068W

160 *Solanum villosum* Mill.
subsp. *miniatum* (Bernh. ex Willd.) Edmond
54, Velle-sur-Moselle, berge de la Moselle,
N 48°31'49.0" E 006°16'25.6", 236 m
FR-0-NCY-20145069W

Massif des Vosges Vosges Mountains



Trollius europaeus L., Cirque de Pferreywasen (68)
Photographie : Sébastien ANTOINE

PTERIDOPHYTA

Aspleniaceae

- 164 *Asplenium adiantum-nigrum* L.
var. *silesiacum* (Milde) Viane & Reichst
88, St-Etienne-Lès Remiremont, Crébimont,
N 48°04'39.3" E 006°38'18.3", 610 m
FR-0-NCY-20195112W
- 166 *Asplenium ruta-muraria* L.
subsp. *ruta-muraria*
68, Luttenbach-près-Munster, Fronzell,
N 48°01'59.4" E 007°06'32.9", 431 m
FR-0-NCY-20195064W
- 168 *Asplenium septentrionale* (L.) Hoffm.
subsp. *septentrionale*
68, Wasserbourg, Petit Ballon,
N 47°58'51.3" E 007°07'46.5", 1197 m
FR-0-NCY-20195063W
- 169 *Asplenium septentrionale* (L.) Hoffm.
subsp. *septentrionale*
88, Gerbamont, les Plateaux,
N 47°59'50.5" E 006°47'07.9", 882 m
FR-0-NCY-20195083W
- 171 *Asplenium trichomanes* L.
subsp. *quadrivalens* D.E.Mey.
88, Rupt-sur-Moselle, la Mariotte,
N 47°54'48.2" E 006°41'17.6", 500 m
FR-0-NCY-20125119W
- 172 *Asplenium trichomanes* L.
subsp. *trichomanes*
88, St-Etienne-lès-Remiremont, Haut des Viaux,
N 48°04'39.8" E 006°38'17.5", 610 m
FR-0-NCY-20125115W
- 173 *Asplenium trichomanes* L.
subsp. *trichomanes*
88, Vagney, Zainvillers,
N 47°59'06.6" E 006°42'59.4", 434 m
FR-0-NCY-20195113W

Blechnaceae

- 175 *Struthiopteris spicant* (L.) Weiss
var. *spicant*
88, St-Etienne-lès-Remiremont, mausolée Ste-
Thérèse,
N 48°04'09.2" E 006°40'16.3", 727 m
FR-0-NCY-20195114W

- 176 *Struthiopteris spicant* (L.) Weiss
var. *spicant*
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m
FR-0-NCY-20175017W

Dryopteridaceae

- 177 *Dryopteris affinis* (Lowe) Fraser-Jenk.
subsp. *borreri* (Newman) Fraser-Jenk.
88, St-Etienne-lès-Remiremont, Haut des Viaux,
N 48°04'37.5" E 006°38'20.3", 620 m
FR-0-NCY-20125118W
- 179 *Dryopteris carthusiana* (Vill.) H.P.Fuchs
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m
FR-0-NCY-20175018W
- 180 *Dryopteris carthusiana* (Vill.) H.P.Fuchs
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m
FR-0-NCY-20175021W
- 181 *Dryopteris dilatata* (Hoffm.) A.Gray
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175064W
- 182 *Dryopteris dilatata* (Hoffm.) A.Gray
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20195035W
- 184 *Dryopteris filix-mas* (L.) Schott
88, Cleurie, Tête Payée,
N 48°03'39.4" E 006°40'49.5", 677 m
FR-0-NCY-20195110W
- 185 *Dryopteris filix-mas* (L.) Schott
88, Xonrupt-Longemer, route de Retournermer,
N 48°03'00.1" E 006°59'08.0", 923 m
FR-0-NCY-20175119W
- 186 *Polystichum aculeatum* (L.) Roth
67, Grandfontaine, Cascade de la Crache,
N 48°29'39.8" E 007°06'29.5", 600 m
FR-0-NCY-20125078W
- 187 *Polystichum aculeatum* (L.) Roth
68, Metzeral, Wormspel,
N 48°01'56.0" E 007°00'51.2", 1255 m
FR-0-NCY-20135134W

Lycopodiaceae

188 *Lycopodium clavatum* L.
88, Xonrupt-Longemer, le Collet,
N 48°03'15.3" E 007°00'22.3", 1130 m
FR-0-NCY-20125123W

Polypodiaceae

189 *Polypodium vulgare* L.
68, Metzeral, Wormspel,
N 48°01'56.0" E 007°00'51.2", 1255 m
FR-0-NCY-20135137W

190 *Polypodium vulgare* L.
88, Vagney, Zainvillers,
N 47°59'06.6" E 006°42'59.4", 434 m
FR-0-NCY-20195111W

Thelypteridaceae

191 *Oreopteris limbosperma* (Bellardi ex All.)
Holub
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'37.3" E 006°59'05.6", 1207 m
FR-0-NCY-20135033W

192 *Oreopteris limbosperma* (Bellardi ex All.)
Holub
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175063W

194 *Phegopteris connectilis* (Michx.) Watt
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'37.8" E 006°59'01.1", 1250 m
FR-0-NCY-20135034W

195 *Phegopteris connectilis* (Michx.) Watt
88, Vagney, Zainvillers,
N 47°59'06.6" E 006°42'59.4", 434 m
FR-0-NCY-20195115W

Woodsiaceae

197 *Athyrium filix-femina* (L.) Roth
var. *filix-femina*
88, Cleurie, Tête Payée,
N 48°03'39.4" E 006°40'49.5", 677 m
FR-0-NCY-20195116W

198 *Athyrium filix-femina* (L.) Roth
var. *filix-femina*
88, Xonrupt-Longemer, route de Retourner,
N 48°03'00.1" E 006°59'08.0", 923 m.
FR-0-NCY-20185117W

199 *Gymnocarpium dryopteris* (L.) Newman
68, Metzeral, Wormspel,
N 48°01'56.4" E 007°00'51.4", 1241m
FR-0-NCY-20135133W

200 *Gymnocarpium dryopteris* (L.) Newman
88, St-Etienne-lès-Remiremont, Haut des Viaux,
N 48°04'37.0" E 006°38'20.0", 620 m
FR-0-NCY-20125117W

PHANEROGAMAE

GYMNOSPERMAE

Cupressaceae

161 *Juniperus communis* L.
subsp. *communis*
68, Mittlach, Schnepfenriedkopf,
N 47°58'45.2" E 007°02'32.8", 1240 m
FR-0-NCY-20135171W

162 *Juniperus communis* L.
subsp. *communis*
68, Stosswihr, Petit-Hohneck,
N 48°02'02.9" E 007°02'12.5", 1216 m.
FR-0-NCY-20185103W

Pinaceae

163 *Picea abies* (L.) H.Karst.
68, Lautenbachzell, D 431,
N 47°54'18.4" E 007°05'36.3", 1271 m
FR-0-NCY-20145121W

ANGIOSPERMAE

MONOCOTYLEDONEAE

Amaryllidaceae

201 *Allium victorialis* L.
68, Murbach, Grand-Ballon,
N 47°54'13.9" E 007°06'05.1", 1358 m
FR-0-NCY-20165087W

202 *Narcissus pseudonarcissus* L.
subsp. *pseudonarcissus*
88, Le Valtin, la Combe, 850 m
FR-0-NCY-20125001W

Asparagaceae

203 *Polygonatum multiflorum* (L.) All.
88, Gerbamont, les Plateaux,
N 47°59'50.5" E 006°47'07.9", 882 m
FR-0-NCY-20195082W

204 *Polygonatum verticillatum* (L.) All.
68, Rimbach-près-Guebwiller, Le Grand Ballon,
N 47°54'23.3" E 007°06'13.9", 1324 m
FR-0-NCY-20145158W

205 *Polygonatum verticillatum* (L.) All.
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m
FR-0-NCY-20185090W

Cyperaceae

206 *Carex brizoides* L.
88, Xonrupt-Longemer, le Collet D34d,
N 48°03'01.0" E 007°00'04.8", 1065 m
FR-0-NCY-20145079W

207 *Carex demissa* Vahl ex Hartm.
88, Sapois, le Haut du Tôt,
N 48°02'44.8" E 006°46'20.2", 846 m
FR-0-NCY-20155178W

208 *Carex echinata* Murray
subsp. *echinata*
88, La Bresse, ruisseau du Chitelet,
N 48°02'21.6" E 006°59'52.4", 1100 m
FR-0-NCY-20155092W

210 *Carex echinata* Murray
subsp. *echinata*
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20195032W

211 *Carex leporina* L.
var. *leporina*
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'40.3" E 006°59'06.7", 1186 m
FR-0-NCY-20195149W

212 *Carex leporina* L.
var. *leporina*
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175059W

214 *Carex nigra* (L.) Reichard
subsp. *nigra*
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N48°01'44,5" E 006°59'56,00", 1203 m
FR-0-NCY-20145087W

216 *Carex panicea* L.
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m.
FR-0-NCY-20185006W

219 *Carex rostrata* Stokes
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m
FR-0-NCY-20175058W

220 *Carex pallescens* L.
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m
FR-0-NCY-20185007W

222 *Eriophorum angustifolium* Honck.
subsp. *angustifolium*
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m
FR-0-NCY-20185010W

223 *Eriophorum angustifolium* Honck.
subsp. *angustifolium*
88, Le Valtin, Chaume de Montabey,
N 48°03'37.8" E 007°01'10.3", 1183 m.
FR-0-NCY-20185014W

224 *Eriophorum vaginatum* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m.
FR-0-NCY-20185015W

221 *Eriophorum vaginatum* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20165021W

225 *Scirpus sylvaticus* L.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'19.8" E 006°59'11.8", 784 m
FR-0-NCY-20155155W

226 *Scirpus sylvaticus* L.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185120W

228 *Trichophorum cespitosum* (L.) Hartm.
subsp. **germanicum** (Palla) Hegi
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20195090W

229 *Trichophorum cespitosum* (L.) Hartm.
subsp. **germanicum** (Palla) Hegi
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m.
FR-0-NCY-20185020W

Juncaceae

230 *Juncus acutiflorus* Ehrh. ex Hoffm.
88, Sapois, le Haut du Tô, t,
N 48°02'44.8" E 006°46'20.2", 846 m
FR-0-NCY-20155111W

231 *Juncus acutiflorus* Ehrh. ex Hoffm.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20195017W

232 *Juncus articulatus* L.
subsp. **articulatus**
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'40.3" E 006°59'06.7", 1186 m
FR-0-NCY-20195150W

233 *Juncus articulatus* L.
subsp. **articulatus**
88, La Bresse, en aval de la Fontaine de la
Duchesse, N48°01'44,7" E 006°59'56,00" 1201m
FR-0-NCY-20145091W

234 *Juncus bulbosus* L.
88, Sapois, le Haut du Tô, t,
N 48°02'44.8" E 006°46'20.2", 846 m
FR-0-NCY-20155112W

235 *Juncus conglomeratus* L.
var. **conglomeratus**
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m
FR-0-NCY-20195016W

236 *Juncus effusus* L.
68, Metzeral, Wormspel,
N 48°02'00.1" E 007°00'45.5", 1216 m
FR-0-NCY-20135124W

237 *Juncus effusus* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20155098W

238 *Juncus filiformis* L.
68, Metzeral, Wormspel,
N 48°02'00.1" E 007°00'45.5", 1216 m
FR-0-NCY-20135130W

239 *Juncus squarrosus* L.
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'45.6" E 006°59'53.9", 1191 m.
FR-0-NCY-20185122W

240 *Juncus squarrosus* L.
88, La Bresse, Haut de Falimont, Le Hohneck,
N 48°02'37.5" E 007°00'32.5", 1294 m
FR-0-NCY-20155087W

241 *Luzula desvauxii* Kunth
88, La Bresse, Col de Falimont,
N 48°02'27.3" E 007°00'42.0", 1312 m
FR-0-NCY-20155088W

242 *Luzula desvauxii* Kunth
88, La Bresse, Col de Falimont,
N 48°02'27.3" E 007°00'42.0", 1312 m
FR-0-NCY-20135062W

243 *Luzula luzuloides* (Lam.) Dandy & Wilmott
var. **erythranthema** (Wallr.) I.Grint.
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185123W

244 *Luzula luzuloides* (Lam.) Dandy & Wilmott
var. **erythranthema** (Wallr.) I.Grint.
68, Metzeral, le Kastelberg,
N 48°01'39.8" E 007°00'28.4", 1298 m
FR-0-NCY-20145094W

245 *Luzula luzuloides* (Lam.) Dandy et Wilmott
var. **luzuloides**
88, La Bresse, Goutte de la Duchesse,
N 48°01'46.5" E 006°59'37.0", 1157 m
FR-0-NCY-20145159W

246 *Luzula luzuloides* (Lam.) Dandy & Wilmott
var. **luzuloides**
88, Xonrupt-Longemer, route de Retournermer,
N 48°03'00.1" E 006°59'08.0", 923 m.
FR-0-NCY-20185124W

247 *Luzula multiflora* (Ehrh.) Lej.
subsp. **multiflora**
68, Linthal, Oberlauchen,
N 47°56'37.4" E 007°02'20.8", 1103 m
FR-0-NCY-20195009W

248 *Luzula multiflora* (Ehrh.) Lej.
subsp. *multiflora*
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20195033W

250 *Luzula sudetica* (Willd.) Schult.
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'44.7" E 006°59'56.0", 1201 m
FR-0-NCY-20145095W

251 *Luzula sudetica* (Willd.) Schult.
88, Xonrupt-Longemer, Le Hohneck,
N 48°02'54.4" E 007°00'39.1", 1255 m
FR-0-NCY-20145030W

252 *Luzula sylvatica* (Huds.) Gaudin
subsp. *sylvatica*
88, Le Valtin, Col de la Schlucht, Montabey,
N 48°03'26.9" E 007°01'07.8", 1246 m
FR-0-NCY-20195018W

253 *Luzula sylvatica* (Huds.) Gaudin
subsp. *sylvatica*
88, Le Valtin, Montabey,
N 48°03'22.2" E 007°01'16.1", 1239 m.
FR-0-NCY-20185042W

Liliaceae

254 *Lilium martagon* L.
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185127W

255 *Lilium martagon* L.
88, La Bresse, Route des crêtes (D 430),
N 48°01'52.6" E 007°00'11.3", 1271 m
FR-0-NCY-20165115W

Melanthiaceae

256 *Paris quadrifolia* L.
88, La Bresse, route de Schmargult,
N 48°01'49.3" E 007°00'00.1", 1212 m
FR-0-NCY-20165082W

Orchidaceae

257 *Platanthera chlorantha* (Custer) Rchb.
88, Barbey-Seroux, Champ de Roches,
N 48°07'48.0" E 006°51'28.2", 725 m
FR-0-NCY-20135108W

Poaceae

258 *Agrostis capillaris* L.
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185131W

259 *Agrostis capillaris* L.
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175055W

261 *Agrostis stolonifera* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20155100W

263 *Anthoxanthum odoratum* L.
88, Le Valtin, Montabey,
N 48°03'19.6" E 007°01'05.3", 1241 m
FR-0-NCY-20145031W

264 *Calamagrostis arundinacea* (L.) Roth
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185133W

265 *Calamagrostis arundinacea* (L.) Roth
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20195154W

267 *Dactylis glomerata* L.
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'38.9" E 006°59'01.1", 1251m
FR-0-NCY-20195153W

268 *Danthonia decumbens* (L.) DC.
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m.
FR-0-NCY-20185008W

269 *Danthonia decumbens* (L.) DC.
88, Saulxures-sur-Moselotte, le Beu,
N 47°57'06.0" E 006°48'43.0", 490 m
FR-0-NCY-20195034W

270 *Deschampsia cespitosa* (L.) P.Beauv.
subsp. *cespitosa*
68, Metzeral, le Rainkopf, Pferrey, 1174m
FR-0-NCY-20135056W

271 *Deschampsia cespitosa* (L.) P.Beauv.
subsp. *cespitosa*
88, La Bresse, Chemin des Chaumes,
N 48°01'47.2" E 007°00'03.3", 1209 m.
FR-0-NCY-20185134W

272 *Drymochloa sylvatica* (Pollich) Holub
88, Wisembach, le Château de Faîte,
N 48°14'42.6" E 007°07'56.2", 789 m.
FR-0-NCY-20185099W

274 *Molinia caerulea* (L.) Moench
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20165133W

275 *Molinia caerulea* (L.) Moench
88, Xonrupt-Longemer, Feignes Charlemagne,
tourbière,
N 48°03'07.8" E 007°00'45.8", 1220 m
FR-0-NCY-20175013W

276 *Nardus stricta* L.
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185135W

278 *Nardus stricta* L.
88, La Bresse, Firstmiss,
N 48°01'02.3" E 006°59'16.6", 1217 m
FR-0-NCY-20195151W

279 *Phalaris arundinacea* L.
88, Xonrupt-Longemer, Lac de Retourner,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185136W

280 *Poa compressa* L.
88, Le Valtin,
N 48°06'45.6" E 007°02'10.1", 724 m
FR-0-NCY-20175027W

EUDICOTYLEDONEAE

Adoxaceae

281 *Sambucus racemosa* L.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'54.1" E 007°00'32.7", 1235 m
FR-0-NCY-20145016W

282 *Sambucus nigra* L.
f. *nigra*
88, Gemaingoutte, Col de Sainte-Marie,
N 48°14'31.3" E 007°07'53.8", 773 m
FR-0-NCY-20175031W

Amaranthaceae

283 *Atriplex patula* L.
88, Xonrupt-Longemer, bord de la D 67, le
Parigoutte,
N 48°03'46.7" E 006°57'57.4", 753 m
FR-0-NCY-20145122W

284 *Blitum bonus-henricus* (L.) Rchb.
68, Linthal, Oberlauchen,
N 47°56'37.4" E 007°02'20.8", 1103 m
FR-0-NCY-20195007W

285 *Blitum bonus-henricus* (L.) Rchb.
68, Murbach, Hôtel du Grand-Ballon,
N 47°54'15.3" E 007°06'10.2", 1344 m
FR-0-NCY-20165086W

Apiaceae

286 *Angelica sylvestris* L.
subsp. *sylvestris*
88, Xonrupt-Longemer, l'Envers de Longemer,
N 48°03'52.5" E 006°57'09.6", 733 m
FR-0-NCY-20195129W

287 *Chaerophyllum hirsutum* L.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m
FR-0-NCY-20145017W

288 *Epikeros pyrenaicus* (L.) Raf.
88, La Bresse, le Hohneck,
N 48°02'17.5" E 007°00'41.7", 1306 m.
FR-0-NCY-20185044W

289 *Epikeros pyrenaicus* (L.) Raf.
88, Xonrupt-Longemer, Le Hohneck,
N 48°02'58.1" E 007°00'42.1", 1248 m
FR-0-NCY-20195011W

290 *Heracleum sphondylium* L.
subsp. *sphondylium*
68, Rimbach-près-Guebwiller, Le Grand Ballon,
N 47°54'23.0" E 007°06'15.1", 1328 m
FR-0-NCY-20155148W

291 *Heracleum sphondylium* L.
subsp. *sphondylium*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20165088W

292 *Laserpitium latifolium* L.
var. *latifolium*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20165089W

293 *Meum athamanticum* Jacq.
subsp. *athamanticum*
88, La Bresse, le Hohneck,
N 48°02'17.5" E 007°00'41.7", 1306 m.
FR-0-NCY-20185045W

295 *Meum athamanticum* Jacq.
subsp. *athamanticum*
88, Xonrupt-Longemer, Le Hohneck,
N 48°02'58.1" E 007°00'42.1", 1248 m
FR-0-NCY-20195010W

296 *Pimpinella saxifraga* L.
var. *saxifraga*
68, Murbach, Grand-Ballon,
N 47°54'23.3" E 007°06'13.9", 1325 m
FR-0-NCY-20165091W

Aquifoliaceae

297 *Ilex aquifolium* L.
88, Gerbamont, les Plateaux,
N 47°59'50.5" E 006°47'07.9", 882 m
FR-0-NCY-20195077W

Asteraceae

298 *Achillea millefolium* L.
subsp. *millefolium*
68, Metzeral, Petit-Hohneck,
N 48°02'02.9" E 007°02'12.5", 1216 m.
FR-0-NCY-20185102W

300 *Achillea millefolium* L.
subsp. *millefolium*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195131W

301 *Achillea ptarmica* L.
subsp. *ptarmica*
88, Saulxures-sur-Moselotte, le Beu,
N 47°57'06.0" E 006°48'43.0", 490 m
FR-0-NCY-20195019W

302 *Adenostyles alliariae* (Gouan) A.Kern.
88, Xonrupt-Longemer, Feignes Charlemagne,
tourbière,
N 48°03'07.8" E 007°00'45.8", 1220 m
FR-0-NCY-20175010W

303 *Adenostyles alliariae* (Gouan) A.Kern.
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m.
FR-0-NCY-20185043W

304 *Antennaria dioica* (L.) Gaertn.
68, Murbach, Grand-Ballon, N 47°54'23.0" E
007°06'15.1", 1328 m
FR-0-NCY-20165094W

305 *Arnica montana* L.
var. *montana*
88, Le Valtin, Chaume de Montabey,
N 48°03'37.8" E 007°01'10.3", 1183 m.
FR-0-NCY-20185037W

306 *Arnica montana* L.
var. *montana*
88, Le Valtin, Col de la Schlucht, Montabey,
N 48°03'26.9" E 007°01'07.8", 1246 m
FR-0-NCY-20195012W

307 *Carduus personata* (L.) Jacq.
88, Xonrupt-Longemer, Lac de Retournermer,
N 48°03'19.8" E 006°59'11.8", 784 m
FR-0-NCY-20155150W

308 *Carduus personata* (L.) Jacq.
88, La Bresse, le Hohneck,
N 48°02'17.5" E 007°00'41.7", 1306 m.
FR-0-NCY-20185047W

309 *Centaurea nigra* L.
subsp. *nigra*
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'45.6" E 006°59'53.9", 1191 m.
FR-0-NCY-20185108W

310 *Centaurea nigra* L.
subsp. *nigra*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20165095W

311 *Cirsium palustre* (L.) Scop.
88, Sapois, le Haut du Tôt,
N 48°02'44.8" E 006°46'20.2", 846 m
FR-0-NCY-20155103W

312 *Cirsium palustre* (L.) Scop.
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'40.9" E 006°59'07.6", 1170 m
FR-0-NCY-20135047W

- 313 *Crepis paludosa* (L.) Moench
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m.
FR-0-NCY-20185001W
- 314 *Cyanus montanus* (L.) Hill
88, La Bresse, Rainkopf,
N 48°00'40.7" E 006°58'43.2", 1173 m
FR-0-NCY-20165096W
- 315 *Gnaphalium uliginosum* L.
88, Gerbamont, Col du Haut de Fouchure,
N 47°59'46.2" E 006°46'24.7", 791 m
FR-0-NCY-20195078W
- 316 *Gnaphalium uliginosum* L.
88, Vagney, Moyemont,
N 48°02'05.3" E 006°45'15.9", 841 m
FR-0-NCY-20155104W
- 317 *Hieracium prenanthoides* Vill.
68, Metzeral, le Kastelberg,
N 48°01'25.4" E 007°00'24.2", 1301 m
FR-0-NCY-20145073W
- 318 *Hieracium sabaudum* L.
88, La Bresse, route de Schmargult,
N 48°01'49.3" E 007°00'00.1", 1212 m
FR-0-NCY-20165098W
- 319 *Hieracium sabaudum* L.
88, Xonrupt-Longemer, le Hohneck,
N 48°02'12.8" E 007°00'50.5", 1330 m
FR-0-NCY-20135149W
- 320 *Hieracium umbellatum* L.
68, Metzeral, Wormspel,
N 48°01'55.9" E 007°00'51.8", 1253 m
FR-0-NCY-20135127W
- 321 *Hieracium umbellatum* L.
68, Soultz-Haut-Rhin, Le Grand Ballon,
N 47°54'05.7" E 007°05'56.5", 1430 m
FR-0-NCY-20145125W
- 322 *Lactuca alpina* (L.) Benth. & Hook.f.
88, Le Valtin, Montabey,
N 48°03'22.2" E 007°01'16.1", 1239 m.
FR-0-NCY-20185038W
- 323 *Lactuca alpina* (L.) Benth. & Hook.f.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20155031W
- 324 *Lactuca muralis* (L.) Gaertn.
88, Xonrupt-Longemer, route de Retournermer,
N 48°03'00.1" E 006°59'08.0", 923 m.
FR-0-NCY-20185109W
- 325 *Lactuca plumieri* (L.) Gren. & Godr.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m
FR-0-NCY-20185039W
- 326 *Lactuca plumieri* (L.) Gren. & Godr.
88, Xonrupt-Longemer, Source de la Vologne,
N 48°03'03.0" E 007°00'43.1", 1234 m
FR-0-NCY-20135012W
- 327 *Lapsana communis* L.
subsp. *intermedia* (M.Bieb.) Hayek
88, Xonrupt-Longemer, Lac de Retournermer,
N 48°03'19.8" E 006°59'11.8", 784 m
FR-0-NCY-20155151W
- 328 *Lapsana communis* L.
subsp. *intermedia* (M.Bieb.) Hayek
88, Xonrupt-Longemer, Lac de Retournermer,
N 48°03'28.0" E 006°59'06.0", 783 m
FR-0-NCY-20185110W
- 329 *Leontodon hispidus* L.
subsp. *hispidus*
68, Murbach, Grand-Ballon,
N 47°54'24.8" E 007°06'14.1", 1320 m
FR-0-NCY-20165099W
- 330 *Leontodon hispidus* L.
subsp. *hispidus*
88, Xonrupt-Longemer, route des Crêtes,
N 48°02'56.3" E 007°00'33.2", 1231 m
FR-0-NCY-20155062W
- 331 *Leucanthemum ircutianum* DC.
subsp. *ircutianum*
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'38.9" E 006°59'01.1", 1251 m
FR-0-NCY-20135048W
- 332 *Logfia minima* (Sm.) Dumort.
88, Saint-Etienne-lès-Remiremont,
N 48°01'02.8" E 006°36'43.1", 386 m
FR-0-NCY-20165100W
- 333 *Omalotheca norvegica* (Gunnerus) Sch.Bip. &
F.W.Schultz
68, Metzeral, Wormspel,
N 48°02'04.3" E 007°00'41.2", 1252 m
FR-0-NCY-20135148W

334 *Omalotheca norvegica* (Gunnerus) Sch.Bip. & F.W.Schultz
88, La Bresse, le Hohneck,
N 48°02'17.5" E 007°00'41.7", 1306 m.
FR-0-NCY-20185105W

335 *Omalotheca sylvatica* (L.) Sch.Bip. & F.W.Schultz
88, La Bresse, Chemin de Schmargult,
N 48°01'47.1" E 006°59'54.1", 1190 m
FR-0-NCY-20175041W

336 *Omalotheca sylvatica* (L.) Sch.Bip. & F.W.Schultz
88, La Bresse, Route des crêtes (D 430),
N 48°01'49.2" E 007°00'16.9", 1253 m
FR-0-NCY-20165097W

337 *Petasites albus* (L.) Gaertn.
88, Xonrupt-Longemer, Faignes Forie,
N 48°02'43.0" E 006°59'56.6", 1000 m
FR-0-NCY-20145001W

338 *Picris hieracioides* L.
subsp. *umbellata* (Schrank) Ces.
68, Stosswir, Schaefenthal,
N 48°02'17.3" E 007°01'39.4", 1165 m
FR-0-NCY-20145035W

339 *Pilosella officinarum* F.W.Schultz & Sch.Bip.
88, Xonrupt-Longemer, forêt domaniale de Gérardmer,
N 48°03'39.0" E 006°59'41.7", 1052 m
FR-0-NCY-20155017W

340 *Pilosella* cf. *aurantiaca* (L.) F.W.Schultz & Sch.Bip.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m.
FR-0-NCY-20185018W

341 *Prenanthes purpurea* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m
FR-0-NCY-20185091W

342 *Prenanthes purpurea* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20195089W

343 *Scorzonera humilis* L.
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m.
FR-0-NCY-20185002W

344 *Scorzoneroides autumnalis* (L.) Moench
88, Vagney, Moyemont,
N 48°02'05.3" E 006°45'15.9", 841 m
FR-0-NCY-20155105W

345 *Scorzoneroides pyrenaica* (Gouan) Holub
var. *helvetica* (Mérat) B.Bock
68, Stosswhir, Les 3 Fours,
N 48°03'10.9" E 007°01'14.1", 1233 m
FR-0-NCY-20165018W

346 *Scorzoneroides pyrenaica* (Gouan) Holub
var. *helvetica* (Mérat) B.Bock
88, Xonrupt-Longemer, le Hohneck, col de Falimont, 1269 m
FR-0-NCY-20155008W

347 *Senecio hercynicus* Herborg
subsp. *hercynicus*
68, Murbach, Grand-Ballon,
N 47°54'23.0" E 007°06'15.1", 1328 m
FR-0-NCY-20165102W

348 *Senecio hercynicus* Herborg
subsp. *hercynicus*
88, La Bresse, le Kastelberg,
N 48°01'37.1" E 007°00'33.1", 1254 m.
FR-0-NCY-20185113W

349 *Senecio ovatus* (G.Gaertn., B.Mey. & Scherb.) Willd.
subsp. *ovatus*
68, Oderen, Col d'Hahnenbrunnen,
N 47°57'12.9" E 007°01'24.8", 1178 m.
FR-0-NCY-20185096W

350 *Senecio ovatus* (G.Gaertn., B.Mey. & Scherb.) Willd.
subsp. *ovatus*
88, La Bresse, Chemin des Chaumes,
N 48°01'47.2" E 007°00'03.3", 1209 m
FR-0-NCY-20195132W

353 *Serratula tinctoria* L.
subsp. *monticola* (Boreau) Berher
68, Metzeral, Cirque Ammelthal,
N 48°01'47.9" E 007°00'41.1", 1289 m.
FR-0-NCY-20185115W

355 *Serratula tinctoria* L.
subsp. *monticola* (Boreau) Berher
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195130W

356 *Solidago virgaurea* L.
subsp. *minuta* (L.) Arcang.
88, La Bresse, le Hohneck,
N 48°02'17.5" E 007°00'41.7", 1306 m.
FR-0-NCY-20185049W

Balsaminaceae

357 *Impatiens noli-tangere* L.
88, La Bresse, Goutte de la Duchesse,
N 48°01'46.5" E 006°59'37.0", 1157 m
FR-0-NCY-20165103W

358 *Impatiens noli-tangere* L.
88, Xonrupt-Longemer, Goutte de la Duchesse,
N 48°01'45.2" E 006°59'40.2", 1152 m
FR-0-NCY-20175045W

Betulaceae

359 *Alnus glutinosa* (L.) Gaertn.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185118W

360 *Betula pendula* Roth
f. *pendula*
88, Gerbamont, les Plateaux,
N 47°59'50.5" E 006°47'07.9", 882 m
FR-0-NCY-20195079W

361 *Betula pubescens* Ehrh.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m.
FR-0-NCY-20185053W

362 *Betula pubescens* Ehrh.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m.
FR-0-NCY-20185085W

363 *Corylus avellana* L.
var. *avellana*
88, Gerbamont, les Plateaux,
N 47°59'50.5" E 006°47'07.9", 882 m
FR-0-NCY-20195080W

Boraginaceae

364 *Myosotis scorpioides* L.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20145019W

365 *Myosotis scorpioides* L.
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'40.2" E 006°59'07.3", 1179 m
FR-0-NCY-20135050W

Brassicaceae

366 *Arabidopsis arenosa* (L.) Lawalrée
subsp. *borbasii* (Zapal.) O'Kane & Al-Shehbaz
67, Breitenau, Col de Fouchy,
N 48°18'17.5" E 007°15'40.9", 610 m
FR-0-NCY-20175033W

367 *Barbarea vulgaris* R.Br.
88, La Bresse, Firstmiss,
N 48°01'02.3" E 006°59'16.6", 1217 m
FR-0-NCY-20195133W

368 *Cardamine flexuosa* With.
88, Ban-sur-Meurthe-Clefcy, Défilé de Straiture,
N 48°06'35.1" E 006°58'05.8", 686 m
FR-0-NCY-20185086W

369 *Lunaria rediviva* L.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m
FR-0-NCY-20175046W

370 *Lunaria rediviva* L.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185119W

371 *Turritis glabra* L.
88, Gemaingoutte, Col de Sainte-Marie,
N 48°14'31.3" E 007°07'53.8", 773 m
FR-0-NCY-20175032W

Campanulaceae

372 *Campanula rotundifolia* L.
subsp. *rotundifolia*
88, La Bresse, le Hohneck,
N 48°02'17.5" E 007°00'41.7", 1306 m.
FR-0-NCY-20185050W

374 *Campanula rotundifolia* L.
subsp. *rotundifolia*
68, Oderen, le Breitfirst, Route des Crêtes,
N 47°56'33.4" E 007°01'15.6", 1224 m
FR-0-NCY-20135024W

375 *Jasione laevis* Lam.
subsp. *laevis*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195134W

376 *Jasione laevis* Lam.
subsp. *laevis*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20165105W

377 *Jasione montana* L.
subsp. *montana*
67, Breitenau, Col de Fouchy,
N 48°18'17.5" E 007°15'40.9", 610 m
FR-0-NCY-20175034W

378 *Phyteuma nigrum* F.W.Schmidt
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m.
FR-0-NCY-20185004W

379 *Phyteuma spicatum* L.
68, Rimbach-près-Guebwiller, Le Grand Ballon,
Ecole de ski,
N 47°54'15.4" E 007°06'04.3", 1349 m
FR-0-NCY-20145127W

Caprifoliaceae

380 *Knautia dipsacifolia* (Host) Kreutzer
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20195013W

381 *Lonicera nigra* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20195020W

382 *Succisa pratensis* Moench
88, La Bresse, Chemin de Schmargult,
N 48°01'47.1" E 006°59'54.1", 1190 m
FR-0-NCY-20175053W

Caryophyllaceae

384 *Atocion rupestre* (L.) B.Oxelman
88, La Bresse, Haut de Falimont, Le Hohneck,
N 48°02'37.5" E 007°00'32.5", 1294 m
FR-0-NCY-20155045W

385 *Atocion rupestre* (L.) B.Oxelman
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195136W

386 *Dianthus armeria* L.
subsp. *armeria*
67, La Petite-Pierre,
N 48°51'47.2" E 007°18'51.9", 319 m
FR-0-NCY-20195117W

387 *Dianthus carthusianorum* L.
subsp. *carthusianorum*
88, Saulxures-sur-Moselotte, le Beu,
N 47°57'06.0" E 006°48'43.0", 490 m
FR-0-NCY-20195023W

401 *Dianthus carthusianorum* L.
subsp. *carthusianorum*
68, Lautenbachzell, Le Grand Ballon,
N 47°54'08.0" E 007°05'54.1", 1410 m
FR-0-NCY-20145131W

389 *Lychnis flos-cuculi* L.
subsp. *flos-cuculi*
88, Xonrupt-Longemer, Le Hohneck,
N 48°02'52.4" E 007°00'35.5", 1255 m
FR-0-NCY-20145020W

390 *Lychnis flos-cuculi* L.
subsp. *flos-cuculi*
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m.
FR-0-NCY-20185005W

391 *Sagina procumbens* L.
88, La Bresse, Chaume Firstmiss,
N 48°01'10.1" E 006°59'09.0", 1179 m
FR-0-NCY-20195021W

392 *Silene dioica* (L.) Clairv.
var. *dioica*
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20195014W

393 *Silene dioica* (L.) Clairv.
var. *dioica*
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m.
FR-0-NCY-20185040W

394 *Silene nutans* L.
var. *nutans*
88, La Bresse, Le Brabant,
N 47°59'18.1" E 006°52'07.6", 857 m
FR-0-NCY-20195022W

395 *Silene vulgaris* (Moench) Garcke
subsp. *vulgaris*
68, Stosswihr, les Trois Fours,
N 48°03'09.7" E 007°01'23.0", 1230 m
FR-0-NCY-20155054W

397 *Silene vulgaris* (Moench) Garcke
subsp. *vulgaris*
88, Le Valtin, Chaume de Montabey,
N 48°03'37.8" E 007°01'10.3", 1183 m.
FR-0-NCY-20185041W

398 *Spergula arvensis* L.
88, La Bresse, route de Schmargult,
N 48°01'49.3" E 007°00'00.1", 1212 m
FR-0-NCY-20165081W

399 *Spergula rubra* (L.) D.Dietr.
68, Metzeral, Source de l'Ammelthal,
N 48°01'44.0" E 007°00'32.3", 1279 m.
FR-0-NCY-20185009W

400 *Spergula rubra* (L.) D.Dietr.
88, Le Syndicat, Le Chanois,
N 48°06'42.7" E 6°42'10.2", 403 m
FR-0-NCY-20165033W

Celastraceae

402 *Parnassia palustris* L.
88, La Bresse, Source de la Moselotte,
N 48°01'47.0" E 007°00'03.7", 1207 m
FR-0-NCY-20135031W

Cistaceae

403 *Helianthemum nummularium* (L.) Mill.
var. *grandiflorum* (Scop.) B.Bock
68, Goldbach-Altenbach, Le Grand Ballon,
N 47°53'58.2" E 007°05'52.5", 1376 m
FR-0-NCY-20145132W

Convolvulaceae

404 *Cuscuta epithymum* (L.) L.
subsp. *epithymum*
68, Luttenbach-près-Munster, Ried,
N 48°00'20.3" E 007°08'06.4", 891 m
FR-0-NCY-20195061W

Ericaceae

405 *Calluna vulgaris* (L.) Hull
f. *vulgaris*
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175037W

406 *Calluna vulgaris* (L.) Hull
f. *vulgaris*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195137W

407 *Vaccinium myrtillus* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20195037W

408 *Vaccinium myrtillus* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.7" E 007°00'42.7", 1216 m
FR-0-NCY-20135065W

409 *Vaccinium myrtillus* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
tourbière,
N 48°03'07.8" E 007°00'45.8", 1220 m
FR-0-NCY-20175011W

411 *Vaccinium oxycoccos* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20195038W

412 *Vaccinium oxycoccos* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
tourbière,
N 48°03'07.8" E 007°00'45.8", 1220 m
FR-0-NCY-20175012W

413 *Vaccinium uliginosum* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20195039W

414 *Vaccinium uliginosum* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20165066W

415 *Vaccinium vitis-idaea* L.
subsp. *vitis-idaea*
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20195040W

417 *Vaccinium vitis-idaea* L.
subsp. *vitis-idaea*
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20165067W

Fabaceae

418 *Cytisus scoparius* L.
subsp. *scoparius*
88, Le Valtin,
N 48°06'45.6" E 007°02'10.1", 724 m
FR-0-NCY-20175029W

419 *Genista sagittalis* L.
68, Murbach, Grand-Ballon,
N 47°54'23.0" E 007°06'15.1", 1328 m
FR-0-NCY-20165109W

420 *Genista sagittalis* L.
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'45.6" E 006°59'53.9", 1191 m.
FR-0-NCY-20185121W

421 *Genista tinctoria* L.
subsp. *tinctoria*
88, Gerbamont, les Plateaux,
N 47°59'50.5" E 006°47'07.9", 882 m
FR-0-NCY-20195081W

422 *Lotus corniculatus* L.
68, Lautenbachzell, Le Grand Ballon,
N 47°54'09.4" E 007°05'55.0", 1411 m
FR-0-NCY-20145137W

423 *Lotus corniculatus* L.
68, Metzeral, le Kastelberg,
N 48°01'41.5" E 007°00'32.5", 1274 m
FR-0-NCY-20135140W

424 *Lotus pedunculatus* Cav.
88, Sapois, le Haut du Tôt,
N 48°02'42.5" E 006°46'17.7", 844 m
FR-0-NCY-20155110W

425 *Trifolium medium* L.
68, Murbach, Grand-Ballon,
N 47°54'23.0" E 007°06'15.1", 1328 m
FR-0-NCY-20165110W

Fagaceae

426 *Castanea sativa* Mill.
67, La Petite-Pierre,
N 48°51'47.2" E 007°18'51.9", 319 m
FR-0-NCY-20195118W

427 *Fagus sylvatica* L.
68, Soultz-Haut-Rhin, Le Grand Ballon,
N 47°54'15.3" E 007°06'10.2", 1345 m
FR-0-NCY-20145138W

Gentianaceae

428 *Gentiana lutea* L.
88, La Bresse, Falimont,
N 48°02'28.3" E 007°00'36.5", 1291 m.
FR-0-NCY-20185051W

429 *Gentiana lutea* L.
88, La Bresse, Route des crêtes (D 430),
N 48°01'52.6" E 007°00'11.3", 1271 m
FR-0-NCY-20165111W

430 *Gentianella campestris* (L.) Börner
68, Lautenbachzell, Le Grand Ballon,
N 47°54'08.0" E 007°05'54.1", 1410 m
FR-0-NCY-20145139W

431 *Gentianella campestris* (L.) Börner
68, Oderen, le Breitfirst, Route des Crêtes,
N 47°56'33.4" E 007°01'15.6", 1224 m
FR-0-NCY-20135172W

432 *Gentianella campestris* (L.) Börner
68, Murbach, Grand-Ballon,
N 47°54'23.3" E 007°06'13.9", 1325 m
FR-0-NCY-20165112W

Geraniaceae

433 *Geranium sylvaticum* L.
68, Metzeral, Wormspel,
N 48°02'02.4" E 007°00'58.8", 1130 m
FR-0-NCY-20145013W

434 *Geranium sylvaticum* L.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m.
FR-0-NCY-20185101W

Hypericaceae

436 *Hypericum humifusum* L.
67, Sainte-Marie-aux-Mines, Roche des Fées,
N 48°12'09.1" E 007°06'39.0", 912 m
FR-0-NCY-20175035W

435 *Hypericum perforatum* L.
var. *perforatum*
88, La Bresse, Firstmiss,
N 48°01'02.3" E 006°59'16.6", 1217 m
FR-0-NCY-20195138W

437 *Hypericum perforatum* L.
var. *perforatum*
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m
FR-0-NCY-20175044W

Lamiaceae

438 *Betonica officinalis* L.
var. *montana* Gaudin
68, Metzeral, Cirque Ammelthal,
N 48°01'47.9" E 007°00'41.1", 1289 m.
FR-0-NCY-20185125W

439 *Betonica officinalis* L.
var. *montana* Gaudin
88, Saulxures-sur-Moselotte, le Beu,
N 47°57'06.0" E 006°48'43.0", 490 m
FR-0-NCY-20195024W

440 *Galeopsis tetrahit* L.
88, La Bresse, route de Schmargult,
N 48°01'49.3" E 007°00'00.1", 1212 m
FR-0-NCY-20165114W

441 *Galeopsis tetrahit* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m.
FR-0-NCY-20185092W

442 *Prunella vulgaris* L.
subsp. *vulgaris*
88, Ban-sur-Meurthe-Clefcy, Défilé de Straiture,
N 48°06'47.4" E 006°57'57.9", 689 m
FR-0-NCY-20175025W

443 *Stachys sylvatica* L.
88, Ban-sur-Meurthe-Clefcy, Défilé de Straiture,
N 48°06'47.4" E 006°57'57.9", 689 m
FR-0-NCY-20175026W

444 *Teucrium scorodonia* L.
88, Vagney, Moyemont,
N 48°02'05.3" E 006°45'15.9", 841 m
FR-0-NCY-20155114W

445 *Thymus pulegioides* L.
88, Vagney, Moyemont,
N 48°02'05.3" E 006°45'15.9", 841 m
FR-0-NCY-20155115W

Oleaceae

446 *Fraxinus excelsior* L.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185128W

Onagraceae

447 *Circaea x intermedia* Ehrh.
88, Xonrupt-Longemer, route de Retournemer,
N 48°03'00.1" E 006°59'08.0", 923 m.
FR-0-NCY-20185129W

448 *Epilobium alpestre* (Jacq.) Krock.
68, Metzeral, Wormspel,
N 48°02'00.1" E 007°00'42.7", 1239 m
FR-0-NCY-20135152W

449 *Epilobium alpestre* (Jacq.) Krock.
88, Xonrupt-Longemer, Feignes Charlemagne,
hêtraie d'altitude,
N 48°03'12.2" E 007°00'47.4", 1212 m
FR-0-NCY-20175016W

450 *Epilobium montanum* L.
88, La Bresse, Goutte de la Duchesse,
N 48°01'46.5" E 006°59'37.0", 1157 m
FR-0-NCY-20165116W

451 *Epilobium palustre* L.
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'45.6" E 006°59'53.9", 1191 m
FR-0-NCY-20145083W

452 *Epilobium palustre* L.
88, Sapois, le Haut du Tôl,
N 48°02'44.8" E 006°46'20.2", 846 m
FR-0-NCY-20155117W

453 *Epilobium palustre* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20195025W

Orobanchaceae

454 *Euphrasia officinalis* L.

subsp. *rostkoviana* (Hayne) F.Towns.

88, La Bresse, Le Hohneck,

N 48°02'18.8" E 007°00'35.5", 1281 m

FR-0-NCY-20165117W

455 *Euphrasia officinalis* L.

subsp. *rostkoviana* (Hayne) F.Towns.

88, Sapois, le Haut du Tô, t,

N 48°02'41.4" E 006°46'16.9", 844 m

FR-0-NCY-20155118W

456 *Orobanche rapum-genistae* Thuill.

88, Le Valtin,

N 48°06'45.6" E 007°02'10.1", 724 m

FR-0-NCY-20175028W

457 *Rhinanthus minor* L.

88, La Bresse, en aval de la Fontaine de la

Duchesse,

N 48°01'46.6" E 006°59'56.4", 1191 m

FR-0-NCY-20145084W

458 *Rhinanthus minor* L.

88, La Bresse, Kastelberg,

N 48°01'42.9" E 007°00'17.4", 1271 m

FR-0-NCY-20175050W

Oxalidaceae

459 *Oxalis acetosella* L.

88, La Bresse, Goutte de la Duchesse,

N 48°01'46.5" E 006°59'37.0", 1157 m

FR-0-NCY-20145143W

460 *Oxalis acetosella* L.

88, La Bresse, Goutte de la Duchesse,

N 48°01'46.5" E 006°59'37.0", 1157 m

FR-0-NCY-20165118W

Papaveraceae

461 *Corydalis cava* (L.) Schweigg. & Körte

68, Metzeral, Leibelthal,

N 48°00'18.0" E 006°59'13.2", 963 m

FR-0-NCY-20195002W

462 *Corydalis intermedia* (L.) Mérat

88, Xonrupt-Longemer, Chaume du Haut-Chitelet,

N 48°02'33.0" E 007°00'03.4", 1169 m

FR-0-NCY-20195004W

463 *Corydalis solida* (L.) Clairv.

subsp. *solida*

88, Xonrupt-Longemer, Lac de Retournemer,

N 48°03'28.0" E 006°59'06.0", 783 m

FR-0-NCY-20195003W

Plantaginaceae

464 *Digitalis grandiflora* Mill.

68, Metzeral, le Rainkopf, Pferrey,

N 48°00'38.9" E 006°59'01.1", 1251 m

FR-0-NCY-20195139W

466 *Digitalis grandiflora* Mill.

88, Xonrupt-Longemer, bord de la D 430,

N 48°02'56.4" E 007°00'35.3", 1228 m.

FR-0-NCY-20185087W

467 *Digitalis purpurea* L.

88, La Bresse, Ferschmuss,

N 48°00'53.7" E 006°59'08.4", 1190 m

FR-0-NCY-20135053W

468 *Digitalis purpurea* L.

88, Sapois, le Haut du Tô, t,

N 48°02'46.7" E 006°46'23.5", 851 m

FR-0-NCY-20155119W

469 *Linaria repens* (L.) Mill.

68, Wildenstein, Route des Crêtes, Batteriekopf,

N 47°59'40.0" E 006°58'36.5", 1206 m

FR-0-NCY-20145144W

470 *Veronica fruticans* Jacq.

88, La Bresse, Le Hohneck,

N 48°02'12.4" E 007°00'47.6", 1321 m

FR-0-NCY-20195140W

471 *Veronica officinalis* L.

88, La Bresse, Firstmiss,

N 48°01'02.3" E 006°59'16.6", 1217 m

FR-0-NCY-20175054W

472 *Veronica officinalis* L.

88, Vagney, Moyemont,

N 48°02'05.3" E 006°45'15.9", 841 m

FR-0-NCY-20155120W

473 *Veronica serpyllifolia* L.

subsp. *humifusa* (Dicks.) Syme

88, La Bresse, Chaume Firstmiss,

N 48°01'10.1" E 006°59'09.0", 1179 m

FR-0-NCY-20195026W

Polygonaceae

474 *Bistorta officinalis* Delarbre
88, La Bresse, Col de Falimont,
N 48°02'30.8" E 007°00'25.3", 1277 m
FR-0-NCY-20135009W

475 *Persicaria minor* (Huds.) Opiz
88, Le Valtin,
N 48°06'45.6" E 007°02'10.1", 724 m
FR-0-NCY-20175024W

476 *Persicaria mitis* (Schrank) Assenov
88, Gemaingoutte, Col de Sainte-Marie,
N 48°14'31.3" E 007°07'53.8", 773 m
FR-0-NCY-20175030W

477 *Rumex acetosa* L.
88, Xonrupt-Longemer, Source de la Vologne,
N 48°03'00.5" E 007°00'40.5", 1240 m
FR-0-NCY-20125044W

478 *Rumex acetosella* L.
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'46.6" E 006°59'56.4", 1191 m
FR-0-NCY-20145085W

479 *Rumex acetosella* L.
88, La Bresse, Route des Crêtes (D 430),
N 48°01'52.6" E 007°00'11.3", 1271 m
FR-0-NCY-20165120W

480 *Rumex arifolius* All.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20145023W

481 *Rumex obtusifolius* L.
88, Le Valtin,
N 48°06'45.6" E 007°02'10.1", 724 m
FR-0-NCY-20175023W

Primulaceae

482 *Lysimachia vulgaris* L.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185137W

483 *Primula elatior* (L.) Hill
subsp. *elatior*
88, La Bresse, route de Schmargult,
N 48°01'49.3" E 007°00'00.1", 1212 m
FR-0-NCY-20165083W

484 *Primula elatior* (L.) Hill
subsp. *elatior*
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m.
FR-0-NCY-20185088W

Ranunculaceae

486 *Aconitum lycoctonum* L.
subsp. *vulparia* (Koch) Nyman
88, La Bresse, Rainkopf,
N 48°00'40.7" E 006°58'43.2", 1173 m
FR-0-NCY-20165121W

487 *Aconitum napellus* L.
subsp. *vulgare* (DC.) Rouy & Foucaud
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'38.9" E 006°59'01.1", 1251 m
FR-0-NCY-20195141W

488 *Aconitum napellus* L.
subsp. *vulgare* (DC.) Rouy & Foucaud
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175036W

489 *Actaea spicata* L.
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'41.1" E 006°59'06.7", 1174 m
FR-0-NCY-20175066W

490 *Anemone nemorosa* L.
88, Le Tholy, La Rouge Roye,
N 48°06'10.2" E 006°42'16.1", 641 m
FR-0-NCY-20195001W

491 *Caltha palustris* L.
subsp. *palustris*
88, La Bresse, Chemin de Schmargult,
N 48°01'47.1" E 006°59'54.1", 1190 m
FR-0-NCY-20175038W

485 *Caltha palustris* L.
subsp. *palustris*
88, Xonrupt-Longemer, Source de la Vologne,
N 48°03'00.5" E 007°00'40.5", 1240 m.
FR-0-NCY-20185016W

493 *Ranunculus aconitifolius* L.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20145004W

499 *Ranunculus aconitifolius* L.
88, Xonrupt-Longemer, Source de la Vologne,
N 48°03'00.5" E 007°00'40.5", 1240 m.
FR-0-NCY-20185017W

494 *Ranunculus acris* L.
88, La Bresse, Kastelberg,
N 48°01'42.9" E 007°00'17.4", 1271 m
FR-0-NCY-20175049W

495 *Ranunculus acris* L.
88, Xonrupt-Longemer, Le Hohneck,
N 48°02'53.4" E 007°00'32.6", 1241 m
FR-0-NCY-20145024W

496 *Ranunculus flammula* L.
var. *flammula*
68, Linthal, Oberlauchen,
N 47°56'37.4" E 007°02'20.8", 1103 m
FR-0-NCY-20195008W

497 *Ranunculus repens* L.
88, Xonrupt-Longemer, La Grange Mauselaine,
N 48°03'47.3" E 006°57'40.0", 737 m
FR-0-NCY-20195006W

498 *Ranunculus serpens* Schrank
68, Rimbach-près-Guebwiller, Le Grand Ballon,
N 47°54'23.3" E 007°06'13.9", 1324 m
FR-0-NCY-20145146W

Rhamnaceae

500 *Frangula alnus* Mill.
subsp. *alnus*
88, Saulxures-sur-Moselotte, le Beu,
N 47°57'06.0" E 006°48'43.0", 490 m
FR-0-NCY-20195027W

Rosaceae

501 *Aruncus dioicus* (Walter) Fernald
subsp. *dioicus*
88, Xonrupt-Longemer, route de Retournemer,
N 48°03'00.1" E 006°59'08.0", 923 m
FR-0-NCY-20175039W

502 *Aruncus dioicus* (Walter) Fernald
subsp. *dioicus*
88, Xonrupt-Longemer, route de Retournemer,
N 48°03'00.1" E 006°59'08.0", 923 m.
FR-0-NCY-20185138W

504 *Comarum palustre* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20195028W

505 *Comarum palustre* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
N 48°03'07.1" E 007°00'43.8", 1220 m
FR-0-NCY-20165068W

506 *Fragaria vesca* L.
88, Xonrupt-Longemer, forêt domaniale de
Gérardmer,
N 48°03'39.0" E 006°59'41.7", 1052 m
FR-0-NCY-20155002W

507 *Geum urbanum* L.
88, Gerbepal, ruisseau de Lourdon,
N 48°06'47.1" E 006°54'42.4", 795 m
FR-0-NCY-20195091W

508 *Potentilla neglecta* Baumg.
88, Saint-Etienne-lès-Remiremont,
N 48°01'02.8" E 006°36'43.1", 386 m
FR-0-NCY-20165124W

509 *Rosa ferruginea* Vill.
68, Luttenbach-près-Munster, Ried,
N 48°00'20.3" E 007°08'06.4", 891 m
FR-0-NCY-20195062W

510 *Rosa pendulina* L.
68, Metzeral, le Rainkopf, Pferrey,
N 48°00'40.2" E 006°59'05.7", 1173 m
FR-0-NCY-20145086W

511 *Rosa pendulina* L.
68, Rimbach-près-Guebwiller, Le Grand Ballon,
N 47°54'23.3" E 007°06'13.9", 1324 m
FR-0-NCY-20155166W

512 *Rosa pendulina* L.
88, La Bresse, Chemin des Chaumes,
N 48°01'47.2" E 007°00'03.3", 1209 m
FR-0-NCY-20185139W

513 *Rosa spinosissima* L.
subsp. *spinosissima*
68, Soultz-Haut-Rhin,
N 47°54'08.5" E 007°06'02.7", 1388 m
FR-0-NCY-20165125W

514 *Rosa subcanina* (H.Christ) R.Keller
88, Xonrupt-Longemer, l'Envers de Longemer,
N 48°03'52.5" E 006°57'09.6", 733 m
FR-0-NCY-20195155W

515 *Rosa subcollina* (Christ) Dalla Torre & Sarnth.
88, Xonrupt-Longemer, Lac de Retournemer,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185140W

516 *Rosa vosagiaca*. N.H.F.Desp.
88, Xonrupt-Longemer, la Grange Mauselaine,
N 48°03'46.4" E 006°57'59.0", 753 m
FR-0-NCY-20155167W

517 *Rosa vosagiaca*. N.H.F.Desp.
88, Xonrupt-Longemer, la Grange Mauselaine,
N 48°03'48.7" E 006°57'51.1", 751 m
FR-0-NCY-20135153W

518 *Sanguisorba officinalis* L.
88, La Bresse, en aval de la Fontaine de la
Duchesse,
N 48°01'45.6" E 006°59'53.9", 1191 m.
FR-0-NCY-20185141W

519 *Sanguisorba officinalis* L.
88, La Bresse, Kastelberg,
N 48°01'42.9" E 007°00'17.4", 1271 m
FR-0-NCY-20175051W

522 *Sorbus aria* (L.) Crantz
subsp. *aria*
68, Wildenstein, Route des Crêtes, Batteriekopf,
N 47°59'40.0" E 006°58'36.5", 1206 m
FR-0-NCY-20145151W

523 *Sorbus aucuparia* L.
subsp. *aucuparia*
68, Oderen, Col d'Hahnenbrunnen,
N 47°57'12.9" E 007°01'24.8", 1178 m.
FR-0-NCY-20185097W

524 *Sorbus aucuparia* L.
subsp. *aucuparia*
88, La Bresse, Chemin des Chaumes,
N 48°01'47.2" E 007°00'03.3", 1209 m.
FR-0-NCY-20185106W

525 *Sorbus aucuparia* L.
subsp. *aucuparia*
88, La Bresse, Les Bouchaux,
N 47°59'46.6" E 006°53'11.4", 934 m
FR-0-NCY-20195029W

526 *Sorbus mougeotii* Soy.-Will. & Godr.
68, Lautenbachzell, Le Grand Ballon, D 431,
N 47°54'18.4" E 007°05'36.3", 1271 m
FR-0-NCY-20145150W

527 *Sorbus mougeotii* Soy.-Will. & Godr.
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185142W

528 *Sorbus x ambigua* (Michalet ex Decne.) Nyman
ex Hedl.
68, Murbach, Grand-Ballon,
N 47°54'13.9" E 007°06'05.1", 1358 m
FR-0-NCY-20165127W

Rubiaceae

529 *Galium album* Mill.
68, Lautenbachzell, Le Grand Ballon,
N 47°54'09.4" E 007°05'55.0", 1411, m
FR-0-NCY-20145152W

530 *Galium odoratum* (L.) Scop.
88, La Bresse, Chemin des Chaumes,
N 48°01'47.2" E 007°00'03.3", 1209 m
FR-0-NCY-20195145W

531 *Galium odoratum* (L.) Scop.
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m.
FR-0-NCY-20185089W

532 *Galium saxatile* L.
68, Metzeral, Wormspel,
N 48°02'05.2" E 007°00'41.0", 1264 m
FR-0-NCY-20135146W

533 *Galium saxatile* L.
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195143W

534 *Galium verum* L.
subsp. *verum*
68, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185143W

536 *Galium verum* L.
subsp. *verum*
88, La Bresse, Le Hohneck,
N 48°02'18.8" E 007°00'35.5", 1281 m
FR-0-NCY-20195144W

Santalaceae

537 *Thesium alpinum* L.
68, Metzeral, le Kastelberg,
N 48°01'41.5" E 007°00'32.5", 1274 m
FR-0-NCY-20135139W

538 *Viscum album* L.
subsp. *abietis* (Wiesb.) Abrom.
88, Le Valtin, le Groupe,
N 48°07'51.1" E 007°01'57.9", 716 m
FR-0-NCY-20195146W

Sapindaceae

539 *Acer pseudoplatanus* L.
f. *pseudoplatanus*
88, Xonrupt-Longemer, Lac de Retourner,
N 48°03'28.0" E 006°59'06.0", 783 m.
FR-0-NCY-20185144W

Saxifragaceae

540 *Micranthes stellaris* (L.) Galasso, Banfi &
Soldano
88, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185145W

541 *Micranthes stellaris* (L.) Galasso, Banfi &
Soldano
88, Xonrupt-Longemer, Source de la Vologne,
N 48°03'00.5" E 007°00'40.5", 1240 m.
FR-0-NCY-20185021W

Scrophulariaceae

542 *Scrophularia nodosa* L.
88, Metzeral, Cirque Ammelthal,
N 48°01'28.6" E 007°00'32.2", 1245 m.
FR-0-NCY-20185146W

544 *Verbascum lychnitis* L.
f. *lychnitis*
88, Wisembach, le Château de Faîte,
N 48°14'42.6" E 007°07'56.2", 789 m.
FR-0-NCY-20185100W

Urticaceae

545 *Urtica dioica* L.
88, Metzeral, le Rainkopf, Pferrey,
N 48°00'40.3" E 006°59'06.7", 1186 m
FR-0-NCY-20195148W

Violaceae

548 *Viola lutea* Huds.
subsp. *lutea*
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'55.8" E 007°00'33.7", 1228 m
FR-0-NCY-20195015W

549 *Viola lutea* Huds.
subsp. *lutea*
88, Xonrupt-Longemer, bord de la D 430,
N 48°02'56.4" E 007°00'35.3", 1228 m.
FR-0-NCY-20185019W

550 *Viola palustris* L.
88, Le Valtin, Montabey,
N 48°03'22.2" E 007°01'16.1", 1239 m.
FR-0-NCY-20185012W

552 *Viola palustris* L.
88, Xonrupt-Longemer, Feignes Charlemagne,
tourbière,
N 48°03'07.8" E 007°00'45.8", 1220 m
FR-0-NCY-20175015W

SEMINA PLANTARUM IN APERTO CULTARUM

**Semences de plantes de pleine-terre récoltées dans le
Jardin Botanique Jean-Marie Pelt.**

**Spores or seeds from plants growing in the open in the
Jardin botanique Jean-Marie Pelt à Villers-lès-Nancy.**

Latitude : 48° 40' N
Longitude : 6° 09' E
Altitude : 267-287 m



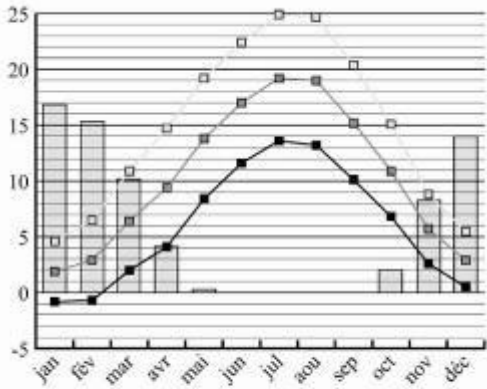
**Plantes médicinales –Jardin Botanique Jean-Marie PELT
Photographie : Pierre-François VALCK**

Relevés des températures et précipitations à la Station Météorologique de Nancy
 Statements of temperatures and precipitations in the meteorological stations of Nancy

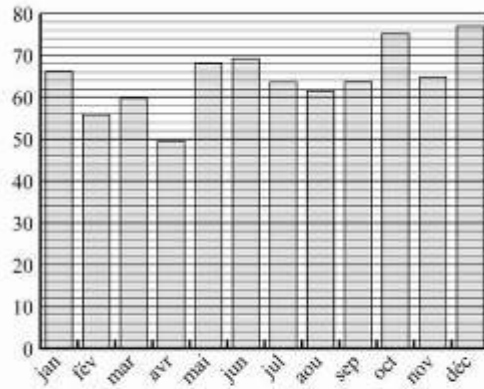
Altitude : 212 m
 latitude : 48°41'12" N
 Longitude : 06°13'18" E

Sources : **Météo France**

Courbe des températures et jours avec gelée sous abri
 période 1980 - 2009



Hauteurs moyennes mensuelles des précipitations en millimètres
 période 1980 - 2009 (moyenne annuelle : 774,4 mm)



- □ Températures maximales quotidiennes (en °C)
- ■ Températures minimales quotidiennes (en °C)
- ○ Moyennes mensuelles des températures (en °C)
- — Nombre moyen de jours avec gelée sous abri



Secteur des écosystèmes Lorrains-Jardin Jean-Marie PELT
 Photographie : Pierre-Francois VALCK

GYMNOSPERMAE

Cupressaceae

553 *Juniperus virginiana* L.
Etats-Unis, New Jersey, Burlington County
US-0-NCY-19810211W

554 *Platycladus orientalis* (L.) Franco
XX-0-NCY-19770471G

555 *Taxodium distichum* (L.) Rich.
Etats-Unis, New Jersey, Sussex County
US-0-NCY-19770255W

Pinaceae

556 *Larix gmelinii* (Rupr.) Kuzen.
var. *olgensis* (Henry) Ostenf. & Syrach
XX-0-NCY-19941120G

557 *Larix laricina* (Du Roi) K.Koch
Etats-Unis, Minnesota
US-0-NCY-19830100Z

558 *Pseudotsuga menziesii* (Mirb.) Franco
Canada, British Columbia, Vancouver
CA-0-NCY-19770276W

559 *Tsuga canadensis* (L.) Carrière
XX-0-NCY-19730504G

ANGIOSPERMAE

MAGNOLIIDAE

Aristolochiaceae

560 *Aristolochia clematitis* L.
XX-0-NCY-19900532G

561 *Aristolochia macrophylla* Lam.
XX-0-NCY-19900121G

MONOCOTYLEDONEAE

Amaryllidaceae

562 *Allium angulosum* L.
France, Bas-Rhin, Munchhausen
FR-0-NCY-19860338Z

563 *Allium fistulosum* L.
XX-0-NCY-19821273G

564 *Allium lusitanicum* Lam.
France, Pyrénées
FR-0-NCY-19630005W

565 *Allium moly* L.
XX-0-NCY-19810152G

566 *Allium sativum* L.
XX-0-NCY-19830518G

567 *Allium schoenoprasum* L.
XX-0-NCY-19840660G

568 *Allium sphaerocephalon* L.
France
FR-0-NCY-20050550W

Dioscoreaceae

569 *Dioscorea villosa* L.
XX-0-NCY-19940819G

Iridaceae

570 *Iris sibirica* L.
France, Bas-Rhin, Ried d'Erstein, près de la sucrerie
FR-0-NCY-19740178W

571 *Sisyrinchium montanum* Greene
France, Meurthe & Moselle, Boucq
FR-0-NCY-19937021W

Juncaceae

572 *Juncus arcticus* Willd.
Italie, Région du Val d'Aoste, Val Veny, Lago
Combal, 1900 m
IT-0-NCY-20060807W

573 *Luzula nivea* (L.) DC.
XX-0-NCY-19931176G

Poaceae

574 *Avena fatua* L.
XX-0-NCY-19910243G

575 *Avena nuda* L.
XX-0-NCY-20110202G

576 *Avena sativa* L.
XX-0-NCY-20100191G

577 *Briza media* L.
subsp. *elatior* (Sibth & SM.) Rohlena
XX-0-NCY-19941041G

578 *Coix lacryma-jobi* L.
XX-0-NCY-19821275G

579 *Hordeum murinum* L.
XX-0-NCY-20080056G

580 *Hordeum vulgare* L.
subsp. *vulgare*
XX-0-NCY-20100060G

581 *Lolium temulentum* L.
XX-0-NCY-19821277G

582 *Panicum miliaceum* L.
XX-0-NCY-19960431G

584 *Setaria italica* (L.) P.Beauv.
subsp. *viridis* (L.) Thell.
XX-0-NCY-19820244G

585 *Setaria pumila* (Poir.) Roem. & Schult.
XX-0-NCY-19821279G

586 *Setaria verticillata* (L.) P.Beauv.
France, Meurthe & Moselle, Dommartin-lès-Toul
FR-0-NCY-19970057W

587 *Stipa capillata* L.
XX-0-NCY-19960767G

588 *Tragus racemosus* (L.) All.
XX-0-NCY-20130052G

589 *Triticum aestivum* L.
XX-0-NCY-20130051G

590 *Triticum monococcum* L.
XX-0-NCY-19821285G

591 *Triticum turgidum* L.
subsp. *dicoccon* (Schränk)Thell.
XX-0-NCY-20170146G

EUDICOTYLEDONEAE

Aizoaceae

592 *Aptenia cordifolia* (L.f) Schwantes
Espagne
ES-0-B-0270179

Amaranthaceae

593 *Amaranthus caudatus* L.
XX-0-ULM-1998-F-271

594 *Amaranthus cruentus* L.
XX-0-NCY-19770554G

595 *Amaranthus hybridus* L.
XX-0-BONN-18934

596 *Amaranthus retroflexus* L.
XX-0-NCY-20020053G

597 *Amaranthus spinosus* L.
XX-0-NCY-19920391G

598 *Beta vulgaris* L.
XX-0-NCY-19780230G

599 *Celosia argentea* L.
var. *plumosa* Voss
XX-0-NCY-19960427G

600 *Chenopodium quinoa* Willd.
XX-0-NCY-19920626G

601 *Dysphania botrys* (L.) Mosyakin & Clemants
XX-0-NCY-19820293G

602 *Froelichia gracilis* (Hook.) Moq.
XX-0-NCY-20000311G

603 *Gomphrena serrata* L.
XX-0-NCY-19950140G

604 *Spinacia oleracea* L.
XX-0-NCY-20090033G

Anacardiaceae

605 *Rhus glabra* L.
XX-0-NCY-19820169G

606 *Toxicodendron vernicifluum* (Stokes) F.A.
Barkley
XX-0-NCY-19840418G

Apiaceae

607 *Ammi majus* L.
XX-0-NCY-20110167G

608 *Anethum graveolens* L.
XX-0-NCY-19910333G

609 *Angelica razulii* Gouan
France
FR-0-NCY-19890108W

610 *Apium graveolens* L.
XX-0-NCY-19890525G

611 *Astrantia major* L.
Suisse, Valais, Mont Widerhorn, 1500 m
CH-0-NCY-19920229W

612 *Bupleurum fruticosum* L.
France, Bouches-du-Rhône, Marseille, Morgiou
FR-0-NCY-19900112W

613 *Bupleurum longifolium* L.
France, Doubs, Bannans
FR-0-NCY-19860565W

614 *Bupleurum rotundifolium* L.
France, Meurthe & Moselle, Gondreville, Belle
Seille, 260 m
FR-0-NCY-19990011W

615 *Carum carvi* L.
NO-0-NCY-19900150W

616 *Conium maculatum* L.
France, Moselle, Sturzelbronn
FR-0-NCY-19870820W

617 *Coriandrum sativum* L.
XX-0-NCY-19900066G

618 *Daucus muricatus* (L.) L.
XX-0-NCY-20110757G

619 *Eryngium serra* Cham. & Schtdl.
XX-0-NCY-19940974G

620 *Foeniculum vulgare* Mill.
XX-0-NCY-19830369G

621 *Laser trilobum* (L.) Borkh. ex P.Gaertn., B.Mey.
& Scher
France, Meurthe & Moselle, Agincourt, Pain de
Sucre
FR-0-NCY-19850553W

622 *Laserpitium siler* L.
France, Doubs, Le Pic de l'Aigle, 900 m
FR-0-NCY-20000205W

623 *Levisticum officinale* W.D.J.Koch
XX-0-NCY-19900182G

624 *Myrrhis odorata* (L.) Scop.
France, Pyrénées-Orientales, 2200 m
FR-0-NCY-19720974W

625 *Petroselinum crispum* (Mill.) Nyman ex
A.W.Hill
XX-0-NCY-19820016G

626 *Peucedanum officinale* L.
XX-0-NCY-19910844G

627 *Smyrniolus olusatrum* L.
XX-0-NCY-19950532G

628 *Visnaga daucooides* Gaertn.
XX-0-NCY-19990248G

629 *Xanthoselinum alsaticum* (L.) Schur
XX-0-NCY-20040186G

Araliaceae

630 *Eleutherococcus divaricatus* (Siebold & Zucc.)
S.Y.Hu
Japon, Préfecture de Tochigi, Lake Chzenjinikko,
(ville de Nikko)
JP-0-NCY-19900282W

Asteraceae

631 *Amberboa moschata* (L.) DC.
Arménie, Province d'Yerevan, Nubarashen
AM-0-NCY-20080088W

632 *Arctotis stoechadifolia* P.J.Bergius
XX-0-NCY-20110173G

633 *Arctotis venusta* Norl.
XX-0-NCY-19960250G

634 *Aster amellus* L.
France, Moselle, Novéant-sur-Moselle
FR-0-NCY-19810826W

635 *Calendula arvensis* L.
France, Lot, Causse de Cahors
FR-0-NCY-19950693W

636 *Calendula officinalis* L.
XX-0-NCY-19630018G

637 *Calendula stellata* Cav.
XX-0-NCY-19950647G

- 638 *Carlina biebersteinii* Bernh. ex Hornem.
subsp. *biebersteinii*
France, Vosges, Hohnneck
FR-0-NCY-19901044W
- 639 *Carthamus tinctorius* L.
XX-0-NCY-20150007G
- 640 *Centaurea macrocephala* Puschk. ex Willd.
XX-0-NCY-19970132G
- 641 *Chamaemelum nobile* (L.) All.
XX-0-NCY-19950403G
- 642 *Cichorium pumilum* Jacq.
XX-0-NCY-19820296G
- 643 *Cirsium monspessulanum* (L.) Hill
XX-0-NCY-20040294G
- 644 *Cladanthus arabicus* (L.) Cass.
XX-0-NCY-20090290G
- 645 *Cosmos sulphureus* Cav.
XX-0-NCY-19950655G
- 646 *Cousinia pterocaulos* (C.A.Mey.) Rech.f.
XX-0-NCY-20000309G
- 647 *Crepis foetida* L.
France, Vaucluse
FR-0-NCY-20100179Z
- 648 *Crepis rubra* L.
XX-0-NCY-19950774G
- 649 *Crupina crupinastrum* (Moris) Vis.
GR-0-ATHD-2009/991
- 650 *Cyanus segetum* Hill.
France, Meurthe & Moselle
FR-0-NCY-19990009W
- 651 *Cynara cardunculus* L.
XX-0-NCY-19890219G
- 652 *Dimorphotheca pluvialis* (L.) Moench
XX-0-NCY-19950778G
- 653 *Doellingeria umbellata* (Mill.) Nees
Etats-Unis, Michigan, Ingham County, 256 m
US-0-NCY-19970048W
- 654 *Emilia sonchifolia* (L.) DC. ex DC.
XX-0-NCY-19950752G
- 655 *Eurybia macrophylla* (L.) Cass.
Canada, Québec, Parc Gatineau, Belvédère
Champlain
CA-0-NCY-19960870W
- 656 *Felicia tenella* (L.) Nees
XX-0-NCY-20080183G
- 657 *Guizotia abyssinica* (L.f.) Cass.
XX-0-NCY-20000607G
- 658 *Helichrysum foetidum* (L.) Cass.
XX-0-NCY-20080158G
- 659 *Heteranthemis viscidhirta* Schott
XX-0-NCY-19950409G
- 660 *Leibnitzia anandria* (L.) Nakai
XX-0-NCY-19950755G
- 661 *Ligularia sibirica* (L.) Cass.
France, Aveyron, Laguiole, 1286 m
FR-0-NCY-19970575W
- 662 *Lindheimeria texana* A.Gray & Engelm.
XX-0-NCY-20100713G
- 663 *Madia elegans* D.Don
XX-0-NCY-19950648G
- 664 *Madia sativa* Molina
XX-0-NCY-19950581G
- 665 *Mantisalca salmantica* Briq. & Cavill.
XX-0-NCY-20070085G
- 666 *Onopordum acanthium* L.
France, Meurthe & Moselle, Damelevières, Ferme
de la petite Blehors
FR-0-NCY-20000404W
- 667 *Rhagadiolus stellatus* (L.) Gaertn.
XX-0-NCY-19950359G
- 668 *Rudbeckia amplexicaulis* Vahl
XX-0-NCY-20090605G
- 669 *Schkuhria pinnata* (Lam.) Kuntze
XX-0-NCY-20070127G
- 670 *Scorzonera hispanica* L.
XX-0-NCY-19950398G

671 *Serratula coronata* L.
var. *insularis* (Iljin) Kitam.
Japon, Numata City
JP-0-NCY-19961072W

672 *Silybum marianum* (L.) Gaertn.
XX-0-NCY-19950779G

673 *Sonchus palustris* L.
France, Aisne, Villers-Agron
FR-0-NCY-19899124W

674 *Stevia purpurea* Pers.
XX-0-NCY-20070323G

675 *Symphyotrichum laeve* (L.) Á.Löve & D.Löve
Etats-Unis, Colorado, Jefferson County
US-0-NCY-19920798W

676 *Tithonia rotundifolia* (Mill.) S.F. Blake
XX-0-NCY-20000690G

677 *Tolpis barbata* (L.) Gaertn.
XX-0-NCY-19950776G

679 *Urospermum picroides* (L.) Scop. ex
F.W.Schmidt
XX-0-NCY-19950399G

680 *Xanthium strumarium* L.
XX-0-NCY-19930206G

681 *Xeranthemum inapertum* (L.) Mill.
Espagne, Province d'Huesca, 1200 m
ES-0-NCY-19910424W

682 *Zinnia peruviana* (L.) L.
XX-0-NCY-20070336G

Berberidaceae

683 *Berberis aetnensis* C.Presl
France, Corse, Monte d'Oro, 1200 m
FR-0-NCY-19840343W

Betulaceae

684 *Carpinus cordata* Blume
XX-0-NCY-19790544G

Boraginaceae

685 *Anchusa officinalis* L.
XX-0-NCY-20110180G

686 *Echium plantagineum* L.
XX-0-NCY-20080173G

687 *Heliotropium europaeum* L.
XX-0-NCY-19830471G

688 *Onosma stellulata* Waldst. & Kit.
XX-0-NCY-20100171G

Brassicaceae

689 *Alyssoides utriculata* (L.) Medik.
Suisse, Valais, 1600 m
CH-0-NCY-19700392W

690 *Biscutella laevigata* L.
Suisse, Pavillon du Mont Frety, 2000 m
CH-0-NCY-20140453W

691 *Brassica napus* L.
XX-0-NCY-19950298G

692 *Camelina sativa* (L.) Crantz
XX-0-NCY-19860370G

693 *Conringia orientalis* (L.) Dumort.
XX-0-NCY-19950526G

694 *Draba incana* L.
XX-0-NCY-19960798G

695 *Hesperis matronalis* L.
XX-0-NCY-20080260G

696 *Hormathophylla macrocarpa* (DC.) K pfer
France, Aveyron, Larzac, Millau
FR-0-NCY-19830185Z

697 *Hormathophylla spinosa* (L.) P.K pfer
XX-0-NCY-19900905G

698 *Iberis amara* L.
France, Meurthe & Moselle, Laneuveville-devant-
Nancy, 200 m
FR-0-NCY-19700015W

699 *Iberis intermedia* Guers.
subsp. *violletii* (Soy.-Will. ex Godr.) Rouy &
Foucaud
France, Meuse, Pagny-la-Blanche-C te
FR-0-NCY-19860684W

700 *Isatis tinctoria* L.
France, Haut-Rhin, Westhalten, Bollenberg, 315 m
FR-0-NCY-19960052W

701 *Lepidium sativum* L.
XX-0-NCY-19950325G

702 *Rapistrum rugosum* (L.) All.
XX-0-NCY-19950455G

703 *Sinapis arvensis* L.
France, Meuse, La chaussée, Haumont lès
Lachaussée, 220 m
FR-0-NCY-19990043W

Campanulaceae

704 *Asyneuma canescens* (Waldst. & Kit.) Griseb.
& Schenk
XX-0-NCY-19920565G

705 *Campanula incurva* Aucher ex A.DC.
Grèce, Thessalie, Mt Pliasidi, 980 m
GR-0-NCY-20050099W

706 *Campanula trichocalycina* Ten.
XX-0-NCY-19940877G

Cannabaceae

707 *Cannabis sativa* L.
XX-0-NCY-19810829G

708 *Celtis sinensis* Pers.
XX-0-NCY-19870810G

Caprifoliaceae

709 *Dipsacus ferox* Loisel.
XX-0-NCY-20070120G

710 *Dipsacus fullonum* L.
Italie, Teramo, Grand Sasso, 1600 m
IT-0-NCY-19921563W

711 *Dipsacus strigosus* Willd. ex Roem. & Schult.
France, Meurthe & Moselle, Villers-lès-Nancy, Le
Montet,
FR-0-NCY-20140318W

712 *Lomelosia graminifolia* (L.) Greuter & Burdet
XX-0-NCY-20000698G

713 *Morina longifolia* Wall. ex DC.
XX-0-NCY-20000046G

Caryophyllaceae

714 *Agrostemma githago* L.
FR-0-NCY-19927018W

715 *Dianthus deltoides* L.
France, Haut-Rhin, Oderen, Route des Crêtes
FR-0-NCY-19980375W

716 *Dianthus knappii* (Pant.) Asch. & Kanitz ex
Borbás
XX-0-NCY-19890910G

717 *Gypsophila oldhamiana* Miq.
Chine, province de Jiangsu, Mont Anhui Nanjing
CN-0-NCY-19941230Z

718 *Gypsophila paniculata* L.
XX-0-MJG-19-43900

719 *Lychnis coronaria* (L.) Desr.
XX-0-NCY-19810830G

720 *Paronychia fastigiata* (Raf.) Fernald
XX-0-NCY-20070338G

721 *Silene bupleuroides* L.
subsp. *staticifolia* (Sibth. & Sm.) Chowdhuri
Grèce, Macédoine-Occidentale, Nomos Kastorias
GR-0-NCY-19960780Z

722 *Silene linicola* C.C.Gmel.
XX-0-NCY-20080108G

Cistaceae

723 *Fumana procumbens* (Dun.) Gren. & Godr.
France, Haut-Rhin, Bollenberg, Westhalten, 300 m
FR-0-NCY-20050391W

Convolvulaceae

724 *Convolvulus tricolor* L.
XX-0-NCY-19940241G

725 *Ipomoea purpurea* Roth
XX-0-NCY-19910254G

Coriariaceae

726 *Coriaria japonica* A.Gray
XX-0-NCY-19820194G

Crassulaceae

727 *Rhodiola ishidae* Hara
XX-0-NCY-19940105G

728 *Sedum hyperaizoon* Kom.
XX-0-NCY-19770248G

Cucurbitaceae

729 *Ecballium elaterium* (L.) A.Rich.
XX-0-BERN-2002/88

Datisceae

730 *Datisca cannabina* L.
XX-0-NCY-19910869G

Ericaceae

731 *Erica tetralix* L.
Portugal, Santiago do Cacém, Lagaoa de Santo
André
PT-0-NCY-19970487W

732 *Vaccinium macrocarpon* Aiton
XX-0-NCY-19860778G

Euphorbiaceae

733 *Euphorbia lathyris* L.
France, Meurthe & Moselle, Méréville
FR-0-NCY-19820569W

734 *Euphorbia marginata* Pursh
XX-0-NCY-19910521G

735 *Ricinus communis* L.
XX-0-NCY-19830336G

Fabaceae

736 *Caragana brevispina* Benth.
XX-0-NCY-19720968G

737 *Colutea orientalis* Mill.
XX-0-NCY-19890380G

738 *Cytisus supinus* L.
France, Marne, Savigny-sur-Ardres
FR-0-NCY-19870840W

739 *Genista hispanica* L.
XX-0-NCY-19988340G

740 *Glycine max* (L.) Merr.
XX-0-POTSD-1940308101

741 *Glycyrrhiza glabra* L.
XX-0-NCY-19720788G

742 *Lathyrus sativus* L.
XX-0-NCY-19810837G

743 *Lens culinaris* Medik.
XX-0-NCY-19850118G

744 *Lupinus albus* L.
Italie, Grosseto, Riva del sole
XX-0-NCY-19920924G

745 *Medicago sativa* L.
France, Meurthe & Moselle, Messein
FR-0-NCY-19840005W

746 *Petteria ramentacea* (Sieber) Presl.
XX-0-NCY-19920332G

747 *Phaseolus coccineus* L.
XX-0-NCY-19850134G

748 *Phaseolus vulgaris* L.
XX-0-NCY-19960411G

749 *Thermopsis lupinoides* (L.) Link
Russie, Sakhalines
RU-0-NCY-19690346W

750 *Trifolium pannonicum* Jacq.
XX-0-NCY-20020264G

751 *Trigonella caerulea* (L.) Ser.
XX-0-NCY-20010569G

752 *Trigonella foenum-graecum* L.
XX-0-NCY-19890261G

753 *Trigonella officinalis* (L.) Coulot & Rabaute
XX-0-NCY-20090350G

Gentianaceae

754 *Gentiana cruciata* L.
Bosnie-Herzégovine, Bosnie
BA-0-NCY-19870241W

755 *Gentiana tibetica* King ex Hook.f.
XX-0-NCY-19900835G

Hypericaceae

756 *Hypericum olympicum* L.
XX-0-NCY-19921613G

757 *Hypericum orientale* L.
Turquie, Province d'Artvin, Artvin, 1500 m
TR-0-NCY-19810363W

Juglandaceae

758 *Pterocarya rhoifolia* Siebold & Zucc.
XX-0-NCY-19790057G

Lamiaceae

759 *Dracocephalum moldavica* L.
XX-0-NCY-19920856G

760 *Hyssopus officinalis* L.
XX-0-NCY-19810650G

761 *Lavandula angustifolia* Mill.
subsp. *pyrenaica* (DC.) Guinea
XX-0-NCY-19930152G

762 *Marrubium vulgare* L.
XX-0-NCY-19820339G

763 *Monarda fistulosa* L.
Etats-Unis, New Jersey, Morris County.
US-0-NCY-20110556W

764 *Nepeta cataria* L.
XX-0-NCY-19810843G

765 *Phlomis russeliana* (Sims) Benth.
XX-0-NCY-19798492G

766 *Phlomoïdes tuberosa* (L.) Moench
XX-0-NCY-19920905G

767 *Prunella hastifolia* Brot.
Espagne, Catalogne, prov. de Barcelone, Santa
Cecilia, Montserrat, Bages
ES-0-M-1980/2258

768 *Salvia sclarea* L.
Italie
IT-0-NCY-19850306W

769 *Salvia viridis* L.
XX-O-ROST-2003-F-1532

770 *Sideritis hyssopifolia* L.
XX-0-NCY-19930919G

771 *Stachys alpina* L.
France, Pyrénées, Pic de Ceciré, 1600 m
FR-0-NCY-19890112W

772 *Teucrium arduinoi* L.
XX-0-NCY-20050051G

773 *Teucrium chamaedrys* L.
subsp. *germanicum* (F.Herm.) Rech.f.
France, Haut-Rhin, Ingersheim, Florimont, 270 m
FR-0-NCY-20050366W

Lardizabalaceae

774 *Decaisnea fargesii* Franch.
XX-0-NCY-19780720G

Linaceae

775 *Linum austriacum* L.
France, Meurthe & Moselle, Bouxières-aux-Dames,
210 m
FR-0-NCY-19977020W

776 *Linum tenuifolium* L.
France, Haut-Rhin, Westhalten, 398 m
FR-0-NCY-20050388W

777 *Linum usitatissimum* L.
XX-0-NCY-19820253G

Malvaceae

778 *Abelmoschus esculentus* (L.) Moench
XX-0-NCY-20120438G

779 *Alcea rosea* L.
XX-0-NCY-19930478G

780 *Anoda cristata* (L.) Schltldl.
XX-0-NCY-19920835G

781 *Hibiscus trionum* L.
XX-0-NCY-19821241G

782 *Kitaibelia vitifolia* Willd.
XX-0-NCY-20050065G

783 *Malope trifida* Cav.
XX-0-NCY-20140049G

784 *Malva nicaeensis* All.
XX-0-NCY-20110339G

785 *Malva verticillata* L.
XX-0-NCY-19920989G

786 *Modiola caroliniana* G.Don
XX-0-NCY-20110284G

787 *Sida hermaphrodita* (L.) Rusby
XX-0-NCY-19920820G

788 *Sidalcea candida* A.Gray
XX-0-NCY-19920367G

Nothofagaceae

789 *Nothofagus obliqua* (Mirb.) Oerst.
Chili
CL-0-NCY-19830107W

Nyctaginaceae

790 *Mirabilis viscosa* Cav.
XX-0-DR-001572

Oleaceae

791 *Fraxinus chinensis* Roxb.
XX-0-NCY-19790080G

792 *Fraxinus pennsylvanica* Marsh
XX-0-NCY-19730412G

Onagraceae

793 *Clarkia bottae* (Spach) F.R.Lewis & M.E.Lewis
XX-0-NCY-20080035G

Paeoniaceae

794 *Paeonia anomala* L.
XX-0-NCY-19921374G

795 *Paeonia arietina* G.Anderson
Turquie
TR-0-NCY-19890201Z

796 *Paeonia daurica* Lomakin
subsp. *mlokosewitschii* (Lomakin) D.Y.Hong
XX-0-NCY-19730520G

797 *Paeonia daurica* Lomakin
subsp. *mlokosewitschii* (Lomakin) D.Y.Hong
XX-0-NCY-19760194G

798 *Paeonia lactiflora* Pall.
XX-0-NCY-19920042G

799 *Paeonia ludlowii* (Stern & G.Taylor) D.Y.Hong
XX-0-NCY-19920709G

800 *Paeonia obovata* Maxim.
XX-0-NCY-19921313G

801 *Paeonia officinalis* L.
XX-0-NCY-19580000G

802 *Paeonia officinalis* L.
France, Hérault, Soumartre, Faugères
FR-0-NCY-19880039W

803 *Paeonia officinalis* L.
subsp. *microcarpa* Nyman
France, Hérault, Forêt de Cassagnoles
FR-0-NCY-19900570W

804 *Paeonia peregrina* Mill.
XX-0-NCY-19750847G

Papaveraceae

805 *Argemone mexicana* L.
XX-0-NCY-19870286G

806 *Corydalis ophiocarpa* Hook.f. & T.Thoms.
XX-0-NCY-19930380G

807 *Papaver dubium* L.
XX-0-NCY-19870539G

808 *Papaver hybridum* L.
XX-0-NCY-19910083G

809 *Papaver rhoeas* L.
France, Meurthe & Moselle, Frolois, 279 m
FR-0-NCY-19990016W

810 *Papaver somniferum* L.
XX-0-NCY-19980205G

Penthoraceae

811 *Penthorum sedoides* L.
Etats-Unis, Michigan, Ingham County, 253 m
US-0-NCY-19990288W

Plantaginaceae

812 *Digitalis lanata* Ehrh. subsp. *lanata*
XX-0-NCY-19830530G

813 *Digitalis lutea* L.
France, Meurthe & Moselle, Vandoeuvre-lès-
Nancy, 390 m
FR-0-NCY-19821234W

814 *Digitalis parviflora* Jacq.
Espagne, Province d'Oviedo
ES-0-NCY-19930721Z

815 *Plantago afra* L.
XX-0-NCY-19821249G

816 *Plantago bellardii* All.
subsp. *bellardii*
France, Var (83), Plan de la Tour, maquis rocailloux
FR-0-20110470W

817 *Plantago coronopus* L.
France, Manche, Genêt, Bec d'Audaine, 3 m
FR-0-NCY-19970023W

818 *Plantago scabra* Moench
XX-0-NCY-19930522G

Plumbaginaceae

819 *Armeria berlangensis* Daveau
Portugal, Ilha Berlenga
PT-0-NCY-19900454W

Polygonaceae

820 *Fagopyrum esculentum* Moench
XX-0-NCY-19821253G

821 *Persicaria maculosa* Gray
France, Meurthe & Moselle, Villers-lès-Nancy, Le
Montet
FR-0-NCY-20000693W

822 *Rheum rhabarbarum* L.
XX-0-NCY-19830585G

823 *Rheum rhaponticum* L.
XX-0-NCY-19860359G

824 *Rumex aquaticus* L.
XX-0-NCY-19940839G

Portulacaceae

825 *Cistanthe grandiflora* (Lindl.) Schltld.
XX-0-NCY-20080080G

Primulaceae

826 *Samolus valerandi* L.
France, Moselle, Juvelize, Desborne, 205 m
FR-0-NCY-20110798Z

Ranunculaceae

827 *Adonis annua* L.
XX-0-NCY-19900840G

828 *Anemone canadensis* L.
XX-0-NCY-19930385G

829 *Nigella damascena* L.
XX-0-NCY-19900086G

830 *Thalictrum aquilegifolium* L.
France, Jura, Dournon
FR-0-NCY-19848047W

831 *Thalictrum minus* L.
subsp. *saxatile* Ces.
France, Haut-Rhin, Westhalten, 398 m
FR-0-NCY-20050384W

Resedaceae

832 *Reseda luteola* L.
France, Meurthe & Moselle, Forêt de Haye
FR-0-NCY-20095095W

Rosaceae

833 *Cotoneaster afghanicus* G.Klotz
Afghanistan
AF-0-NCY-19761005W

834 *Cotoneaster assamensis* G.Klotz
XX-0-NCY-19950616G

835 *Cotoneaster taylorii* T.T.Yu
XX-0-NCY-19960571G

836 *Crataegus mollis* (Torr. & A.Gray) Scheele
Etats-Unis, Iowa
US-0-NCY-19830114Z

837 *Crataegus succulenta* (Schrad. ex Link) Rehder
XX-0-NCY-19810166G

838 *Filipendula vulgaris* Moench
Russie, 80 km au sud de Moscou
RU-0-NCY-19810790W

839 *Geum hispidum* Fr.
France, Pyrénées-Orientales, Cerdagne
FR-0-NCY-19927025W

840 *Malus sargentii* Rehder
XX-0-NCY-19790312G

841 *Malus sieversii* (Ledeb.) M.Roem.
XX-0-NCY-19750866G

842 *Potentilla chinensis* Ser.
XX-0-NCY-19918158G

843 *Potentilla crassinervia* Viv.
France, Haute-Corse, Mont Cinto, 1550 m
FR-0-NCY-19800165W

844 *Potentilla intermedia* L.
XX-0-NCY-19700706G

845 *Potentilla pedata* Willd. ex Hornem.
Grèce, Thessalie
GR-0-NCY-19921015Z

846 *Potentilla pennsylvanica* L.
Etats-Unis, Alaska
US-0-NCY-19921012W

847 *Prunus brigantina* Vill.
France, Hautes-Alpes, région de Briançon
FR-0-NCY-19750975W

848 *Rhodotypos scandens* (Thunb.) Makino
XX-0-NCY-19680159G

849 *Rosa banksiae* R.Br. ex W.T.Aiton
XX-0-NCY-19860232G

850 *Rosa carolina* L.
XX-0-NCY-19950815G

851 *Rosa davurica* Pall.
XX-0-NCY-19870315G

852 *Rosa elliptica* Tauscher
France, Meuse, Génicourt-sur-Meuse
FR-0-NCY-19850083W

853 *Rosa glutinosa* Sm.
XX-0-NCY-19721170G

854 *Rosa hirtula* (Regel) Nakai
XX-0-NCY-19821092G

855 *Rosa multibracteata* Hemsl. & Wils.
XX-0-NCY-19890171G

856 *Rosa multiflora* Thunb.
XX-0-NCY-19920086G

857 *Rosa palustris* R.S.Marsh
Etats-Unis, Michigan
US-0-NCY-19870555W

858 *Rosa pisocarpa* A.Gray
XX-0-NCY-19921415G

859 *Rosa rugosa* Thunb.
XX-0-NCY-19731251G

860 *Rosa sherardii* Davies
Finlande, Kungsö
FI-0-NCY-19840503W

861 *Rosa sicula* Tratt.
XX-0-NCY-19880425G

862 *Rosa tomentosa* Sm.
France, Haut-Rhin, Freundstein
FR-0-NCY-19830402W

863 *Sorbus americana* Marshall
Canada, Ontario
CA-0-NCY-19750897W

864 *Sorbus meliosmifolia* Rehder
XX-0-NCY-19921243G

865 *Sorbus prattii* Koehne
XX-0-NCY-19770027G

866 *Sorbus randaiensis* (Hayata) Koidz.
XX-0-NCY-19821109G

Rubiaceae

867 *Asperula arvensis* L.
XX-0-NCY-19821266G

868 *Cephalanthus occidentalis* L.
Etats-Unis, Kentucky, Marshall County
US-0-NCY-19890269W

Rutaceae

869 *Ruta graveolens* L.
XX-0-NCY-19800623G

870 *Zanthoxylum piperitum* DC.
XX-0-NCY-19920752G

Sapindaceae

871 *Cardiospermum halicacabum* L.
Chine
CN-0-NCY-20090106W

Scrophulariaceae

872 *Alonsoa meridionalis* (L.f.) Kuntze
XX-0-NCY-20000608G

873 *Buddleja japonica* Hemsl.
XX-0-NCY-19930493G

874 *Verbascum densiflorum* Bertol.
XX-0-NCY-19970541G

Solanaceae

875 *Browallia americana* L.
XX-0-NCY-19940559G

876 *Datura stramonium* L.
XX-0-NCY-19821269G

877 *Hyoscyamus niger* L.
XX-0-NCY-19890265G

878 *Nicandra physalodes* (L.) Gaertn.
XX-0-NCY-20010533G

879 *Nicotiana alata* Link & Otto
XX-0-NCY-19960293G

880 *Nicotiana rustica* L.
XX-0-NCY-20020245G

881 *Nicotiana tabacum* L.
XX-0-NCY-19970658G

882 *Physalis alkekengi* L.
XX-0-NCY-19830649G

883 *Solanum heterodoxum*
Dunal ex DC.
XX-0-NCY-19950001G

884 *Solanum rostratum* Dunal
XX-0-STGAL-83/2000

Staphyleaceae

885 *Staphylea bumalda* (Thunb.) DC.
XX-0-NCY-19890656G

SPORAE ET SEMINA E PLANTIS IN HORTO BOTANICO ALPINO CULTIS

**Spores ou semences de plantes récoltées au
Jardin d'Altitude du Haut Chitelet**

**Spores or seeds from plants collected in the
Haut Chitelet Alpine Garden**

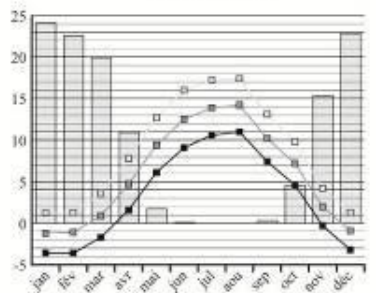
Latitude : 48° 03' N
Longitude : 7° 01' E
Altitude : 1210-1228 m

Relevés des températures et précipitations à la Station Météorologique du Markstein
Statements of temperatures and precipitations in the meteorological stations of the Markstein

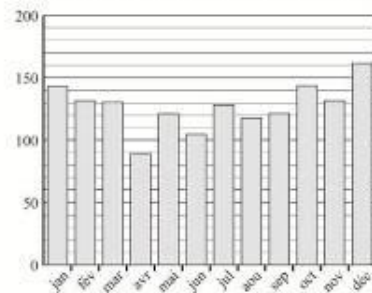
Altitude : 1184 m
latitude : 47°55'18" N
Longitude : 07°01'54" E

Sources : **Météo France**

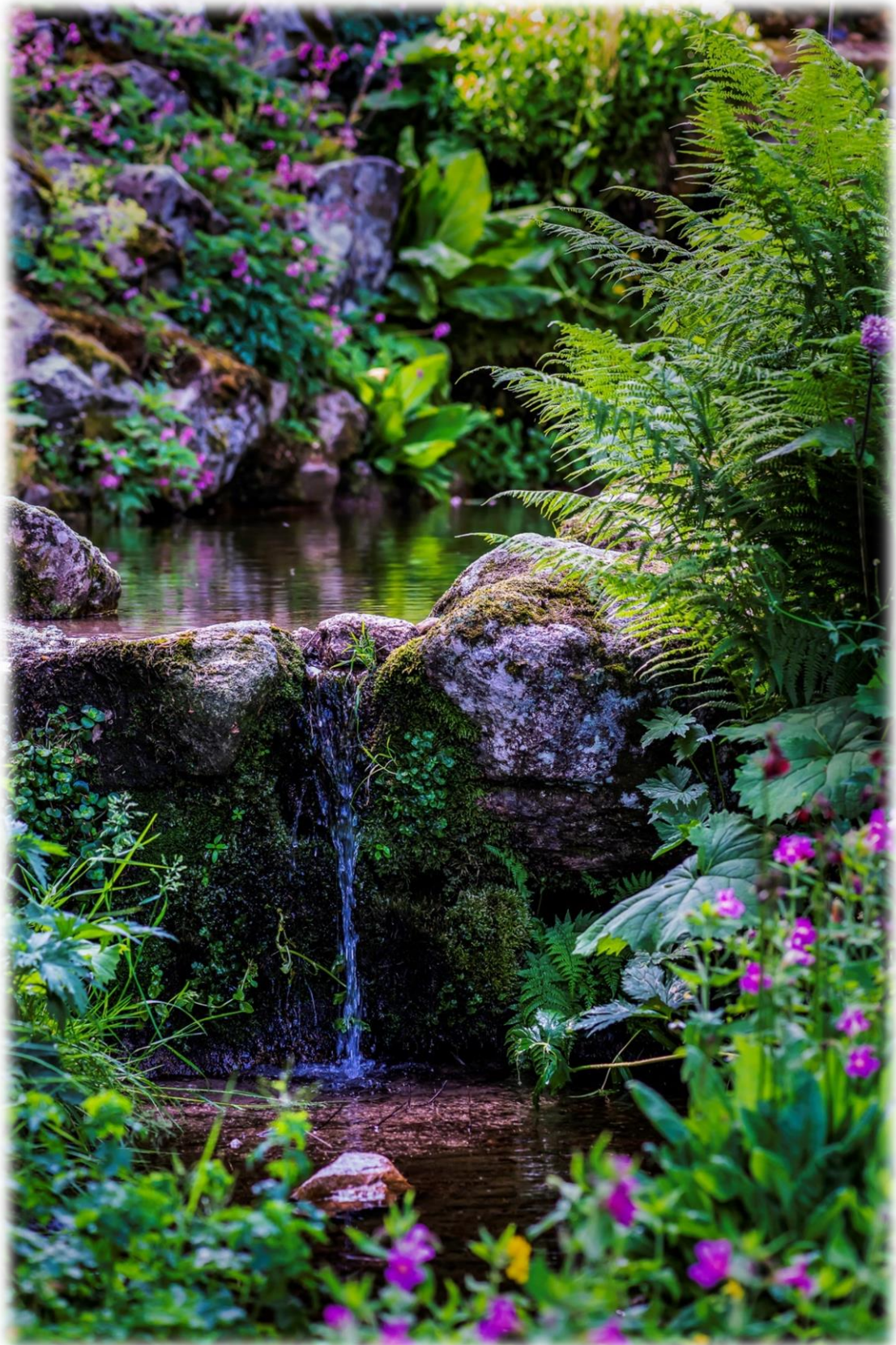
Courbe des températures et jours avec gelée sous abri
période 1989 - 2009



Hauteurs moyennes mensuelles des précipitations en millimètres
période 1989 - 2009 (moyenne annuelle : 1524,6 mm)



□ □ Températures maximales quotidiennes (en °C)
■ ■ Températures minimales quotidiennes (en °C)
▣ ▣ Moyennes mensuelles des températures (en °C)
— Nombre moyen de jours avec gelée sous abri



Source de la Vologne - Jardin d'altitude du Haut Chitelet
Photographie : Pierre-Francois VALCK

GYMNOSPERMAE

Pinaceae

886 *Abies procera* Rehder
Etats-Unis, Oregon, Multnomah Co, Larch
Mountain, 975 m
US-0-NCY-19820803Z

887 *Larix kaempferi* (Lamb.) Carrière
Japon, Hokkaido
JP-0-NCY-19740340W

ANGIOSPERMAE

MONOCOTYLEDONEAE

Amaryllidaceae

889 *Allium beesianum* W.W.Sm.
XX-0-NCY-20098160G

890 *Allium cernuum* Roth
Canada
CA-0-LAU-PdN20253Z

891 *Allium cyathophorum* Bureau & Franch.
var. farreri (Stearn) Stearn
XX-0-NCY-19720416G

892 *Allium mairei* H.Lév.
XX-0-NCY-19938025G

893 *Allium prattii* C.H.Wright
Chine, Yunnan, Zhongdian
CN-0-NCY-20058107W

894 *Allium sikkimense* Baker
XX-0-NCY-20128107G

895 *Narcissus poeticus* L. subsp.
radiiflorus (Salisb.) Baker
France, Hautes-Alpes, Lautaret, 2100 m
FR-0-NCY-19848028W

Asparagaceae

896 *Maianthemum racemosum* (L.) Link
Etats-Unis, Michigan, Ingham Co, Rose Lake bog,
256 m
US-0-NCY-20098106W

897 *Paradisea liliastrum* (L.) Bertol.
France, Savoie, Bonneval-sur-Arc
FR-0-NCY-19700414W

898 *Polygonatum prattii* Baker
Chine, Yunnan, Dêqên, 3600 m
CN-0-NCY-20128108Z

899 *Streptopus amplexifolius* (L.) DC.
France, Vosges, Chemin de Schmargult, 1200 m
FR-0-NCY-19988283W

Cyperaceae

900 *Carex berggrenii* Petrie
XX-0-NCY-20088064G

901 *Carex dallii* Kirk
XX-0-NCY-20108299G

Iridaceae

902 *Crocus albiflorus* Kit.
France, Jura
FR-0-NCY-19778463W

904 *Iris bulleyana* Dykes
XX-0-NCY-20008144G

905 *Iris hookeri* Penny ex G.Don
Canada, Québec
CA-0-NCY-19670107W

906 *Iris laevigata* Fisch.
Russie, Extrême Orient, Ile Kunaschir
RU-0-NCY-19918002W

907 *Iris latifolia* (Mill.) Voss
France, Pyrénées, Pic de Cecité, 1600 m
FR-0-NCY-19890105W

908 *Iris setosa* Pall.
Russie, Iles Kouriles
RU-0-NCY-19660217W

909 *Iris versicolor* L.
Saint-Pierre-et-Miquelon
PM-0-NCY-19988192W

910 *Moraea alticola* Goldblatt
XX-0-NCY-20078147G

911 *Sisyrinchium montanum* Greene
Etats-Unis, Massachusetts, Northampton Hospital
Hill
US-0-NCY-20108165W

912 *Sisyrinchium patagonicum* Phil. ex Baker
XX-0-NCY-20018096G

Juncaceae

913 *Luzula rufa* Edgar
XX-0-NCY-19970345G

914 *Luzula ulophylla* (Buchenau) Cockayne & Laing
XX-0-M-2006/1600

Liliaceae

915 *Erythronium dens-canis* L.
XX-0-DR-009297

916 *Erythronium oregonum* Applegate
Etats-Unis
US-0-NCY-20098157Z

917 *Lilium bulbiferum* DC.
var. *croceum* (Chaix) Pers.
France, Hautes-Alpes
FR-0-NCY-19728942W

918 *Lilium taliense* Franch.
XX-0-NCY-20138502G

919 *Nomocharis aperta* (Franch.) W.W.Sm. &
W.E.Evans
XX-0-NCY-20118437G

Melanthiaceae

920 *Anticlea elegans* (Pursh) Rydb.
XX-0-NCY-20128283G

921 *Veratrum album* L.
Autriche, Basse-Autriche, Schneeberg, 2070 m
AT-0-NCY-19720371W

922 *Veratrum maackii* Regel
var. *parviflorum* (Maxim. ex Miq.) H.Hara
XX-0-NCY-20028069G

923 *Veratrum nigrum* L.
XX-0-NCY-19938367G

Poaceae

924 *Stipa eriocalis* Borbas
subsp. *eriocalis* Italie, Val d'Aoste, Tsaplana,
2200 m
IT-0-NCY-19998140W

Tofieldiaceae

925 *Tofieldia calyculata* (L.) Wahlenb.
Italie, Lombardie, Boscopiano Valdidentro, 1500 m
IT-0-NCY-20098220W

EUDICOTYLEDONEAE

Adoxaceae

926 *Viburnum edule* (Michx.) Raf.
Etats-Unis, Alaska, Chugach State Park
US-0-NCY-19918204W

Apiaceae

927 *Angelica razulii* Gouan
France, Pyrénées-Orientales, route des Bouillouses
FR-0-NCY-19858357W

928 *Astrantia maxima* Pall.
Russie, Caucase, Arkhyz, path to Sofia Glacier
waterfalls, 2000-2200 m
XX-0-NCY-20128112G

929 *Bupleurum petraeum* L.
Autriche, Karawanken, Seeberg Sattel,
1200-1400 m
AT-0-NCY-20108073W

930 *Eryngium alpinum* L.
France, Savoie
FR-0-NCY-19680943W

931 *Eryngium bourgatii* Gouan
France, Pyrénées-Orientales, Llo
FR-0-NCY-19838143W

932 *Molopospermum peloponnesiacum* (L.) W.D.J.
Koch
France, Gard, Mont Aigoual
FR-0-NCY-19731137W

933 *Mutellina adonidifolia* var. *mutellina* (L.)
Reduron
Italie, Val d' Aoste, La Thuile Youla, 2580 m
IT-0-NCY-20008169W

934 *Myrrhis odorata* (L.) Scop.
Croatie
HR-0-NCY-19720961W

Asteraceae

935 *Achillea chamaemelifolia* Pourr.
France, Pyrénées-Orientales, Col de Puymorens
FR-0-NCY-19858072W

- 936 *Achillea clavennae* L.
Autriche, Rax Alpes, 2000 m
AT-0-NCY-19720240W
- 937 *Anaphalis margaritacea* (L.) Benth.
XX-0-NCY-19958147G
- 938 *Antennaria canescens* (Lange) Malte
Groenland, Narsaq Point
GL-0-NCY-19780088W
- 939 *Anthemis cretica* L.
var. *collina* Braun-Blanq.
France, Pyrénées-Orientales,
Albères, Pic de Neulos, 1200 m
FR-0-NCY-19721108W
- 940 *Anthemis marschalliana* Willd.
XX-0-NCY-19858209G
- 941 *Artemisia campestris* L.
subsp. *borealis* (Pall.) H.M.Hall & Clem.
Italie, A.Manda, 2400 m
IT-0-NCY-19928044W
- 942 *Artemisia umbelliformis* Lam.
subsp. *eriantha* (Ten.) Vallès-Xirau & Oliva Brañas
Italie, Gran Sasso, Monte Corro , 2600 m
IT-0-NCY-20058159W
- 943 *Aster alpinus* L.
Italie, Lombardie, Passo Foscagno, 1900-2100 m
IT-0-NCY-20138044W
- 945 *Berkheya purpurea* (DC.) Benth. & Hook. fil. ex
Mast.
Afrique du Sud, Drakensberg
ZA-0-IB-006457
- 947 *Centaurea calocephala* Willd.
Roumanie, Balkans, Varciorova
RO-0-NCY-20008179W
- 949 *Centaurea phrygia* L.
subsp. *pseudophrygia* Gugl.
Autriche, Tyrol, Mont Patscherkofel, 2000 m
AT-0-NCY-19998167W
- 950 *Cirsium eriophorum* (L.) Scop.
Autriche, Carinthie, Karawanken, Hochobir, 1500 m
AT-0-NCY-19828025W
- 952 *Crepis aurea* (L.) Tausch
France, Hautes-Alpes, Lautaret
FR-0-NCY-19928105W
- 953 *Crepis pyrenaica* (L.) Greuter
XX-0-NCY-19938227G
- 954 *Doronicum corsicum* (Loisel.) Poir.
France, Corse, Evisa, 1000 m
FR-0-NCY-19768088W
- 955 *Erigeron caucasicus* Steven
Géorgie, Province de Racha-lechkhuni, 1400 m
GE-0-NCY-20098067W
- 956 *Erigeron hungaricus* (Vierh.) Paw.
XX-0-NCY-20128496G
- 957 *Erigeron multiradiatus* (Lindl.ex D.C.) Benth.
ex C.B.Clarke
XX-0-NCY-19958173G
- 958 *Erigeron schleicheri* Gremli
Italie, Val d'Aoste, Gimillan, Tsaplana, 2200 m
IT-0-NCY-20038012W
- 960 *Helichrysum basalticum* Hilliard
XX-0-NCY-20128072G
- 961 *Helichrysum milfordiae* Killick
XX-0-NCY-19838156G
- 962 *Hieracium alpinum* L.
Slovaquie, Vysoké Tatry, Biolovodska dolina
SK-0-NCY-19918072W
- 963 *Hieracium bupleuroides* C.C.Gmel.
XX-0-NCY-19960791G
- 964 *Hieracium cerinthoides* L.
France, Pyrénées, Lac d'Orédon
FR-0-NCY-19848150W
- 965 *Hieracium humile* Jacq.
France, Haut-Rhin, Rossberg, Vogelstein, 1160 m
FR-0-NCY-19798106W
- 966 *Hieracium intybaceum* All.
France, Haut-Rhin, Hohneck
FR-0-NCY-19670842W
- 967 *Homogyne alpina* (L.) Cass.
Tchèque, République, Vysoké Tatry, Kèzmarska-
chata
CZ-0-NCY-19728510W
- 968 *Hypochaeris uniflora* Vill.
Autriche, Kärnten, Schoberriegel, 2300 m
AT-0-NCY-20038043W

- 969 *Inula orientalis* Lam.
Russie, Caucase, Alibek valley, 1800 m
RU-0-NCY-20098200W
- 970 *Jacobaea abrotanifolia* Moench
subsp. *tirolensis* (Dalla Torre) B.Nord. & Greuter
XX-0-NCY-19730996G
- 971 *Jacobaea adonidifolia* (Loisel.) Mérat
France, Haute-Loire, Saint-Bonnet le Froid, 1100 m
FR-0-NCY-19768275W
- 972 *Jacobaea alpina* (L.) Moench
France
FR-0-NCY-19690553W
- 973 *Leontopodium nivale* (Ten.) Huet ex Hand.-
Mazz.
Autriche, Rax-Alpes, Schneeberg, 1700-2000 m
AT-0-NCY-20128160W
- 974 *Leucogenes leontopodium* (Hook.f.) Beauverd
XX-0-NCY-20138379G
- 975 *Ligularia calthifolia* Maxim.
Russie, Primorsk region, Golets Mt, 1550 m
RU-0-NCY-20058066G
- 976 *Ligularia cymbulifera* (W.W.Sm.) Hand.-Mazz.
Chine, Yunnan, Zhongdian
CN-0-NCY-20058128W
- 977 *Ligularia dictyoneura* (Franch.) Hand.-Mazz.
Chine, Yunnan, Lijiang, 3372 m
CN-0-NCY-20128305W
- 978 *Ligularia fischeri* (Ledeb.) Turcz.
République de Corée, mont Halla, 1500 m
KR-0-NCY-20078076W
- 979 *Ligularia latihastata* (W.W.Sm.) Hand.-Mazz.
Chine, Yunnan, Zhongdian, 3029 m
CN-0-NCY-20128306W
- 980 *Podospermum roseum* (Waldst. & Kit.)
Gemeinholzer & Greuter
Roumanie, Comté de Sibiu, Valea Sadului
RO-0-NCY-19720459W
- 981 *Rhaponticum scariosum* Lam.
subsp. *rhaponticum* (L.) Greuter
France, Hautes-Alpes, Col de Gleize
FR-0-NCY-19760921W
- 982 *Saussurea iodostegia* Hance
Chine, Shaanxi, Qinling Mts, Taibai Shan, 3400 m
CN-0-NCY-20098168W
- 983 *Senecio doricum* (L.) L.
Italie, Val d'Aoste, Pavillon du mont Fréty, 2200 m
IT-0-NCY-20118389W
- 984 *Senecio macrocephalus* DC.
Lesotho, Bokong, 2900 m
LS-0-FRP-26216
- 985 *Solidago multiradiata* Nutt.
Etats-Unis, Washington, Cascades, Skiline Divide,
2042 m
US-0-NCY-20138165W
- 986 *Tanacetum coccineum* (Willd.) Grierson
Géorgie, Kacheti, Lagodekhi alpine station,
2200 m
GE-0-M-2002/2704
- Betulaceae**
- 987 *Betula ermanii* Cham.
Russie, Sakhalines
RU-0-NCY-19731151Z
- Boraginaceae**
- 988 *Myosotis australis* R.Br.
XX-0-NCY-20098380G
- Brassicaceae**
- 989 *Arabis lyalii* S.Wats.
Canada, British Columbia, Rocky Mountains
CA-0-NCY-19690532W
- 990 *Descurainia tanacetifolia* (L.) Prantl
Italie, Vallée d'Aoste, Entrèves
IT-0-NCY-19788041W
- 991 *Draba aizoides* L.
XX-0-NCY-20038109G
- 992 *Draba subnivalis* Braun-Blanq.
XX-0-NCY-20128269G
- 993 *Erysimum pieninicum* (Zapa.) Paw.
Pologne, Pieniny Mts
PL-0-NCY-20158031Z
- 994 *Erysimum pulchellum* (Willd.) J.Gay
XX-0-NCY-20118264G
- 995 *Erysimum sylvestre* (Crantz) Scop.
subsp. *aurantiacum* (Leyb.) P.W.Ball
XX-0-NCY-20138258G

Calceolariaceae

996 *Calceolaria biflora* Lam.
XX-0-NCY-19948329G

Campanulaceae

997 *Campanula barbata* L.
Autriche, Stubai Alpen
AT-0-NCY-19680545W

998 *Campanula bellidifolia* Adams
XX-0-NCY-19741039G

999 *Campanula carpatica* Jacq.
XX-0-NCY-20098166G

1000 *Campanula excisa* Schleich. ex Murith
Suisse, Valais
CH-0-NCY-19690435W

1001 *Campanula lactiflora* M.Bieb.
XX-0-NCY-19918171G

1002 *Campanula ledebouriana* Trautv. var.
pulvinata
Arménie, Sevan Range, 3200 m
AM-0-NCY-20078047W

1003 *Campanula thyrsoides* L.
subsp. *thyrsoides*
Suisse, Grisons, Motta Naluns, 2130 m
CH-0-STGAL20030

1004 *Campanula thyrsoides* L.
subsp. *carniolica* (Sünd.) Podlech
Autriche, Carinthie, Eisenkappel Vellach, 1070 m
AT-0-NCY-20148012W

1005 *Codonopsis clematidea* (Schrenk) C.B. Clarke
XX-0-NCY-19968126G

1006 *Codonopsis ovata* Benth.
XX-0-NCY-20128286G

1007 *Codonopsis subscaposa* Kom.
XX-0-NCY-20128101G

1008 *Cyananthus microphyllus* Edgew.
XX-0-NCY-19770473G

1009 *Edraianthus graminifolius* (L.) DC. subsp.
graminifolius
Italie, Apennins, Corno Grande, 2200 m
IT-0-NCY-20038219W

1010 *Jasione crispa* (Pourr.) Samp. subsp. *crispa*
France, Pyrénées-Orientales, Puigmal
FR-0-NCY-19758103W

1011 *Phyteuma confusum* Kern.
Autriche, Styrie, Seetaler Alpen, St Obdach,
Lindersee, 2060 m
AT-0-NCY-20138007W

1012 *Phyteuma globulariifolium* Sternb. & Hoppe
subsp. *pedemontanum* (R. Schulz) Bech.
Italie, 2700 m
IT-0-NCY-19758073W

1013 *Phyteuma hemisphaericum* L.
Autriche, Carinthie, Turracher Wald, 2000-2400 m
AT-0-NCY-19720365W

1014 *Phyteuma persicifolium* Hoppe.
XX-0-NCY-19758031W

1015 *Phyteuma vagneri* A. Kern.
Roumanie, Tarcu, Hunedoara
RO-0-REYK 2007/001

Caprifoliaceae

1016 *Lonicera alpigena* L.
France, Savoie, 1500 m
FR-0-NCY-19731144W

1017 *Lonicera pyrenaica* L.
France, Pyrénées
FR-0-NCY-19700568W

1018 *Patrinia gibbosa* Maxim.
Japon, Iwate, Mt Hachimantai
JP-0-NCY-19730909Z

1019 *Valeriana alliariifolia* Adams
XX-0-NCY-19918150G

Caryophyllaceae

1020 *Cerastium tomentosum* L.
Italie, Gran Sasso, Albergo di C. Imperatore,
2000 m
IT-0-NCY-20068170W

1021 *Dianthus alpinus* L.
Autriche, Rax-Alpes, Schneeberg, 1700-2000 m
AT-0-NCY-20128159W

1022 *Dianthus furcatus* Balb.
Italie, Ris delle Navette, 1800 m
IT-0-NCY-19918082W

1023 *Dianthus glacialis* Haenke
XX-0-NCY-20108250G

1024 *Dianthus pungens* L.
subsp. *ruscinonensis* M.Bernal & M.Laínz & Muñoz
Garm.
Espagne, Sierra-Nevada
ES-0-NCY-19858036W

1025 *Dianthus sylvestris* Wulfen subsp. *sylvestris*
France, Hautes-Alpes, Lautaret, 1900 m
FR-0-NCY-20028005W

1026 *Eremogone pseudacantholimon* (Bornm.)
Holub
XX-0-NCY-20128219G

1027 *Lychnis flos-jovis* (L.) Desr.
France, Savoie, Brassans, 1700 m
FR-0-NCY-19690352W

1028 *Minuartia verna* (L.) Hiern
XX-0-NCY-20128228G

1029 *Mniarum biflorum* J.R. Forst. & G. Forst.
XX-0-NCY-20028209G

1030 *Saponaria caespitosa* DC.
XX-0-NCY-19788032G

1031 *Saponaria lutea* L.
Italie, Alpes Graies, 2200 m
IT-0-NCY-19700453W

1032 *Saponaria pumilio* (L.) Fenzl ex A.Braun
Autriche, Carinthie, Hohe Tauern, 2300 m
AT-0-NCY-19848054W

1033 *Scleranthus uniflorus* P.A.Will.
XX-0-NCY-20128477G

1034 *Silene alpestris* Jacq.
Autriche, Steiermark, Schneealpe
AT-0-NCY-19868176W

1035 *Silene boryi* Boiss.
Espagne, Sierra Nevada, 2700 m
ES-0-NCY-19988124W

1036 *Silene ciliata* Pourr.
XX-0-NCY-20008072G

1037 *Silene compacta* Fisch
Russie, Caucase, Czegem
RU-0-NCY-20108022W

1038 *Silene davidii* (Franch.) Oxelman & Lidén
XX-0-NCY-20128070G

1039 *Silene saxifraga* L.
France, Pyrénées, Ariège, Port de Pailhères,
1700 m
XX-0-NCY-20108091W

1040 *Silene vallesia* L.
Italie, Grand Paradis
IT-0-NCY-19731206W

1041 *Silene waldsteinii* Griseb.
Grèce, Kalo Nero Mts., Nomos Florinis, 1800 m
GR-0-B-2529690

1042 *Silene zawadzki* Herbich
Roumanie, Carpates, Muntele Mic
RO-0-NCY-19680528W

Cistaceae

1043 *Helianthemum apenninum* (L.) Mill.
France, Alpes Maritimes, Vallon du Logis Neuf,
Caussols
FR-0-NCY-20108228Z

Crassulaceae

1044 *Rhodiola rosea* L.
XX-0-NCY-19938219G

1045 *Sedum pilosum* M. Bieb.
XX-0-NCY-20128578G

Ericaceae

1046 *Gaultheria depressa* Hook.f.
Nouvelle-Zélande
NZ-0-NCY-20128538W

1047 *Gaultheria pyroloides* Hook.f. & Thomson ex
Miq.
XX-0-NCY-19670219G

1048 *Phyllodoce aleutica* (Sprenger) A.Heller
XX-0-NCY-19768172G

1049 *Rhododendron caucasicum* Pallas
Russie, Caucase
RU-0-NCY-19620214W

1050 *Rhododendron myrtifolium* Schott & Kotschy
Roumanie
RO-0-NCY-20128259W

1051 *Rhodothamnus chamaecistus* (L.) Rchb.
XX-0-NCY-20128579G

1052 *Therorhodon camtschaticum* (Pall.) Small
XX-0-NCY-20098251W

1053 *Vaccinium alaskaense* Anderson
Etats-Unis, Washington, Mont Baker, 900 m
US-0-NCY-19758064W

Fabaceae

1054 *Anthyllis vulneraria* L. subsp. *alpestris* (Kit.)
Asch. et Graebn.
Italie, Province de Sondrio, Val Funera, 2300 m
IT-0-NCY-20048043W

1055 *Astragalus penduliflorus* Lam.
XX-0-NCY-20008003G

1056 *Cytisus emeriflorus* Rchb.
Italie, Lombardie, Alpes Bergamasques, 1500 m
IT-0-NCY-19700446W

1057 *Cytisus hirsutus* L.
Autriche, Burgenland, St Margarethen, 600 m
AT-0-KL-2011/421

1058 *Genista hispanica* L.
subsp. *occidentalis* (Rouy) H.J.Coste
Espagne, Province de Léon, Cordillera Cantabrica,
1500 m
ES-0-B-0017575

1059 *Laburnum alpinum* (Mill.) Bercht. & J.Presl
France, Jura
FR-0-NCY-19758128W

1060 *Lathyrus laevigatus* (Waldst. & Kit.) Gren.
subsp. *occidentalis* (Fisch.& C.A.Mey) Breistr.
France, Hautes-Pyrénées, Barèges, 1500 m
XX-0-NCY-20058100W

1061 *Oxytropis campestris* (L.) DC.
Suisse, Valais, Vallée du Grand Saint Bernard
CHOG-20090646

1062 *Psoralea acaulis* Steven
XX-0-NCY-19630058G

1063 *Trifolium alpinum* L.
France, Gard, Mont Aigoual, 1400 m
FR-0-NCY-19778235W

1064 *Trifolium rubens* L.
France, Jura, Mont Poupet
FR-0-NCY-20118447W

Gentianaceae

1065 *Gentiana acaulis* L.
France, Pyrénées-Orientales, Lac de Lanoux,
2200 m
FR-0-NCY-19758147W

1066 *Gentiana alpina* Vill.
France, Pyrénées
FR-0-NCY-19690267W

1067 *Gentiana arethusae* Burkill
XX-0-NCY-20128141G

1068 *Gentiana burseri* Lapeyr. subsp. *burseri*
France, Pyrénées-Orientales, Lac de Lanoux
FR-0-NCY-19758141W

1069 *Gentiana clusii* Perr. & Songeon
XX-0-NCY-20078051G

1070 *Gentiana crassicaulis* Duthie ex Burkill
Chine, Yunnan, Lijiang, 3700 m
CN-0-NCY-20058081W

1071 *Gentiana cruciata* L.
Roumanie
RO-0-NCY-20108242W

1072 *Gentiana dinarica* Beck
Italie, Gran Sasso, Celascio, 1850 m
IT-0-NCY-20068164W

1073 *Gentiana hexaphylla* Maxim. ex Kuzn.
XX-0-NCY-20118216G

1074 *Gentiana* x *marcaillouana* Rouy
France, Ariège, Port de Pailhères, 1900 m
FR-0-NCY-19721097W

1075 *Gentiana prolata* Balf. f.
XX-0-NCY-20138068G

1076 *Gentiana purpurea* L.
Suisse, Canton de Vaud, Rochers de Naye, 2000 m
CH-0-RAMB-206905

1077 *Gentiana triflora* Pall.
var. *japonica* (Kusn.) Hara
XX-0-NCY-19758110G

1078 *Gentiana verna* L.
subsp. *balcanica* Pritch.
XX-0-NCY-20098363G

1079 *Gentiana verna* L.
subsp. *pontica* (Soltok.) Hayek
XX-GZU-YY-410024

1080 *Gentianella corymbifera* (Kirk) Holub
XX-0-NCY-20128522G

1081 *Swertia perennis* L.
XX-0-NCY-20128226G

Geraniaceae

1082 *Geranium renardii* Trautv.
XX-0-NCY-19858206G

Gesneriaceae

1083 *Ramonda myconi* (L.) Rchb.
XX-0-NCY-20058007G

Hypericaceae

1084 *Hypericum cerastioides* (Spach) N.Robson
Grèce
GR-0-M-1978/2210

Lamiaceae

1085 *Betonica alopecuroides* L.
Autriche, Kärnten, Karnische Alpen, Kötschach-
Mauthen, Polinik, 2070 m
AT-0-KL-2012/1204

1086 *Dracocephalum ruyschianum* L.
XX-0-NCY-19958201G

1087 *Horminum pyrenaicum* L.
Italie, Région de Lombardie, Strada Stelvio, 1900 m
IT-0-NCY-19998078W

1088 *Salvia przewalskii* Maxim.
Chine, Yunnan
CN-0-NCY-20058146W

1089 *Scutellaria alpina* L.
Italie, Val d'Aoste, La Thuile, Arpettes, 1800 m
IT-0-NCY-20118156W

1090 *Stachys discolor* Benth.
XX-0-NCY-20118334G

1091 *Stachys macrantha* (K.Koch) Stearn
XX-0-NCY-19768147G

Montiaceae

1092 *Lewisia cotyledon* (S.Watson) B.L.Rob.
Etats-Unis, Siskiyou Mountains
US-0-NCY-19868163W

1093 *Lewisia cotyledon* (S.Watson) B.L.Rob.
var. *heckneri* (C.V.Morton) Munz
XX-0-NCY-19938039G

1094 *Lewisia nevadensis* (A.Gray) B.L.Rob.
XX-0-NCY-20078103G

Nothofagaceae

1095 *Nothofagus antarctica* (Forst.) Oerst.
XX-0-NCY-19768303G

Onagraceae

1096 *Epilobium crassum* Hook.f.
XX-0-NCY-20078155G

1097 *Epilobium luteum* Pursh
XX-0-NCY-20048096G

Paeoniaceae

1098 *Paeonia daurica* Andrews
subsp. *coriifolia* (Rupr.) D.Y.Hong
Géorgie, Ratscha, 1162 m
GE-0-BONN20188

Papaveraceae

1099 *Dicentra peregrina* (Rudolph) Makino
XX-0-NCY-19868272G

1100 *Meconopsis betonicifolia* Franch.
XX-0-NCY-20028311G

1101 *Meconopsis cambrica* (L.) Vig.
France, Pyrénées, Col de Pradel
FR-0-NCY-19848005W

1102 *Meconopsis napaulensis* DC.
XX-0-M-G/1390

1103 *Meconopsis paniculata* Prain
Inde, Arunachal Pradesh
IN-0-M-2012/0299

1104 *Papaver alboroseum* Hultén
XX-0-NCY-20098162G

1105 *Papaver lateritium* K.Koch
Turquie
TR-O-NCY-19680408W

1106 *Papaver popovii* Sipliv.
Kirghizistan, Pamir, Severnyi, 3600 m
XX-O-NCY-20098136G

Phrymaceae

1107 *Mimulus lewisii* Pursh
Etats-Unis, Washington, Chelan county, 1600 m
US-O-NCY-19758061W

1108 *Mimulus luteus* L.
Chili, Maule région, Infernillo et Paso Vergara
CL-O-TEBLI-00883

Plantaginaceae

1109 *Erinus alpinus* L.
Suisse, Canton de Glaris, Braunwald Chnügat,
1750 m
CH-O-NCY-20018226W

1110 *Linaria alpina* (L.) Mill.
Suisse, Braunwald, 2200 m
XX-O-NCY-20048085W

1111 *Parahebe decora* Ashwin
XX-O-NCY-20138355G

1112 *Penstemon glaber* Pursh
var. *alpinus* (Torr.) A. Gray
Etats-Unis, Colorado, Colorado Park Co., 2805 m
US-O-NCY-20118351Z

1113 *Penstemon pinifolius* Greene
XX-O-NCY-19768295G

1114 *Plantago atrata* Jord.
subsp. *fuscescens* (Jord.) Pilg.
France, Hautes-Alpes, L'Echalp, 1800 m
FR-O-NCY-19768018W

1115 *Plantago nivalis* Boiss.
Espagne, Andalousie, Sierra Nevada, 2700 m
ES-O-NCY-19711106W

1116 *Veronica bellidioides* L.
Roumanie, Carpates
RO-O-NCY-19778195W

1117 *Veronica fruticans* Jacq.
Norvège, Sor-Trondelag, Oppdal, Kongvoll
NO-O-NCY-19888110W

1118 *Veronica onoei* Franch. & Sav.
Japon, Honshu, Nagano Mt Norikura, 1510 m
JP-O-NCY-19998205W

1119 *Wulfenia carinthiaca* Jacq.
Autriche, Carinthie, Kärnten Nassfeld, 1900 m
AT-O-NCY-19701046W

Plumbaginaceae

1120 *Armeria marginata* (Levier) Bianchini
Italie, Monte Cusna, Villa Minozzo, 1980 m
IT-O-NCY-20168156W

1121 *Armeria trojana* Bokhari & Quézel
Turquie, Marmara, Balikesir, Kaz-Dag, 1700 m
TR-O-NCY-20098128W

Polemoniaceae

1122 *Polemonium caeruleum* L.
Slovaquie, Slovensky Raj
SK-O-NCY-19838202W

1123 *Polemonium pauciflorum* S.Watson
Etats-Unis, Arizona, Cochise Pass, 3000 m
US-O-NCY-19998163W

Polygonaceae

1124 *Oxyria digyna* (L.) Hill
Italie, Val d'Aoste, Colle del Piccolo San Bernardo,
2170 m
IT-O-NCY-20008061W

1125 *Rheum alexandrae* Batalin
XX-O-NCY-19768031G

1126 *Rheum delavayi* Franch.
Chine, Yunnan, Beima Shan, 4800 m
CN-O-NCY-20128320W

Primulaceae

1127 *Androsace adfinis* Biroli
subsp. *brigantiaca* (Jord. & Fourr.) Kress
France, Isère
FR-O-NCY-19978033W

1128 *Androsace alpina* (L.) Lam.
Italie, Val d'Aoste, Vallon de l'Urtier, Pontonet,
2800 m
IT-O-NCY-19918111W

1129 *Androsace hedraeantha* Griseb.
XX-O-NCY-20058078G

1130 *Androsace mucronifolia* Watt
Inde, Cachemire, Nichnai-pass, 4200 m
IN-0-M-2006/2355

1131 *Androsace sempervivoides* Jacquem. ex Duby
XX-0-NCY-19838007G

1132 *Cortusa matthioli* L.
subsp. *turkestanica* (Losinsk.) Iranshahr &
Wendelbo
XX-0-NCY-20028082G

1133 *Dodecatheon jeffreyi* Van Houtte
Etats-Unis, Washington, Teanaway River, 1250 m
US-0-NCY-19948494W

1134 *Primula beesiana* Forrest
XX-0-NCY-20118014G

1135 *Primula japonica* A.Gray
XX-0-NCY-19900270G

1136 *Primula munroi* Lindl.
XX-0-NCY-20128077G

1137 *Primula poissonii* Franch.
XX-0-NCY-20128056G

1138 *Primula prolifera* Wall.
XX-0-NCY-20148125G

1139 *Primula pulverulenta* Duthie
XX-0-NCY-20158077G

1140 *Primula secundiflora* Franch.
XX-0-NCY-20128121G

1141 *Primula sikkimensis* Hook.
Chine, Yunnan, Zhongdian
CN-0-NCY-20058137W

1142 *Primula vialii* Delavay ex Franch.
XX-0-NCY-20118122G

1143 *Primula watsonii* Dunn
XX-0-NCY-20128058G

Ranunculaceae

1144 *Aconitum japonicum* Thunb.
subsp. *japonicum*
XX-0-NCY-19998210G

1145 *Anemone alpina* L.
subsp. *apiifolia* (Scopoli) O.Bolòs & Vigo
Suisse, Valais, Glatthorn, 2000 m
CH-0-NCY-19730403W

1146 *Anemone coelestina* Franch.
var. *inearis* (Brühl) Ziman & B.E.Dutton
Chine, Yunnan, Bei Ma Shan, 3800 m
CN-0-NCY-20008140W

1147 *Anemone multifida* Poir.
XX-0-NCY-20098209G

1148 *Anemone rivularis* Buch.-Ham. ex DC.
Népal
NP-0-NCY-19938248W

1149 *Anemone scherfelii* Ullep. subsp. *scherfelii*
France, Vosges, Chaumes du Hohneck
FR-0-NCY-19681000W

1150 *Anemone tetrasepala* Royle
XX-0-NCY-19848018G

1152 *Clematis alpina* (L.) Mill.
Pologne, Tatra, Mont Malakosista
PL-0-NCY-19710453W

1153 *Clematis alpina* (L.) Mill.
Suisse, Grisons, Zernez, 1380 m
CH-0-NCY-19838026W

1154 *Glaucidium palmatum* Siebold & Zucc.
XX-0-NCY-19938035G

1155 *Ranunculus gouanii* Willd.
France, Ariège, Seix, Port d'Aula
FR-0-NCY-19758207W

1156 *Ranunculus parnassifolius* L.
Suisse, Alpes vaudoises
CH-0-NCY-19740970W

1157 *Semiaquilegia ecalcarata* (Maxim.) Sprague
& Hutchinson
XX-0-NCY-19918148G

1158 *Thalictrum rochebrunnianum* Franch. & Sav.
DEU-23-2004-16

Rosaceae

1159 *Acaena inermis* Hook.f.
XX-0-NCY-20098135G

1160 *Alchemilla alpina* L.
Suède
SE-0-NCY-19818085W

1161 *Crataegus dahurica* Koehne
XX-0-NCY-19730336G

1162 *Drymocallis rupestris* (L.) Soják
France, Pyrénées-Atlantiques, Col de l'Aubisque,
1400 m
FR-0-NCY-19690360W

1163 *Geum coccineum* Sibth. & Sm.
Bulgarie, Province de Sofia, Mont Vitosha, 2000 m
BG-0-NCY-19931141W

1164 *Geum pentapetalum* (L.) Makino
XX-0-NCY-19768161G

1165 *Luetkea pectinata* (Pursh) Kuntze
XX-0-NCY-19758265G

1166 *Potentilla alchemilloides* Lapeyr.
Espagne, Province d'Huesca
ES-0-NCY-19870231W

1167 *Potentilla argrophylla* Wall.
Népal
NP-0-NCY-19778053W

1168 *Potentilla delphinensis* Gren. & Godr.
France, Hautes-Alpes
FR-0-NCY-19728304W

1169 *Potentilla grandiflora* L.
Suisse, Valais, 2370 m
CHOG-20121070

1170 *Potentilla megalantha* Takeda
XX-0-NCY-20068126G

1171 *Potentilla nitida* L.
XX-0-NCY-19758023G

1172 *Potentilla pyrenaica* Ramond ex DC.
France, Pyrénées-Orientales, Col Llosa, 1900 m
FR-0-NCY-19858159W

1173 *Potentilla thurberi* A.Gray
XX-0-NCY-20038205G

1174 *Potentilla valderia* L.
France, Alpes Maritimes, La Madone de Fenestre,
2000 m
FR-0-NCY-19888046W

1175 *Sibbaldia procumbens* L.
Russie, Sibérie, Altai
RU-0-NCY-19730889W

1176 *Sorbus koehneana* C.K.Schneid.
Chine, Sichuan, Muli, Kulu, 3200 m
CN-0-NCY-19868073W

1177 *Sorbus poteriifolia* Hand.-Mazz.
XX-0-NCY-20118107G

1178 *Sorbus sambucifolia* (Cham. & Schltdl.)
M.Roem.
XX-0-NCY-19778176G

Rubiaceae

1184 *Coprosma petriei* Cheeseman
XX-0-NCY-20128519G

Saxifragaceae

1179 *Micranthes nivalis* L.
Norvège, Sor Trondelag, Oppdal Skardet, 975 m
NO-0-NCY-20158045W

1180 *Saxifraga aspera* L.
Suisse, Valais, 2100 m
CH-0-NCY-19948365W

Thymelaeaceae

1181 *Kelleria dieffenbachii* (Hook.) Endl.
Nouvelle Zélande
NZ-0-NCY-20128515W

Violaceae

1182 *Viola bakeri* Greene
Etats-Unis, Californie, Plumas Co., 1400 m
US-0-NCY-20108081W

1183 *Viola cornuta* L.
XX-0-NCY-19868199G

SPORAE ET SEMINA E PLANTIS IN CALDARIS CULTIS

Spores ou semences de plantes récoltées dans les serres.

Spores or seeds from plants growing in greenhouses.



**Serre aux plantes carnivores-Jardin Jean-Marie PELT
Photographie : Pierre-François VALCK**

PTERIDOPHYTA

Davalliaceae

1185 *Davallia chaerophylloides* (Poir.) Steud.
Cameroun
CM-0-NCY-19843022W

1186 *Davallia fejeensis* Hook.
Guadeloupe
GP-0-NCY-19853210W

1187 *Davallia heterophylla* Sm.
XX-0-NCY-20123244G

1188 *Davallia pentaphylla* Blume
Indonésie, Bali, pentes du Mont Catur, O. du Lac
Bratan, 1500-1800 m
ID-0-NCY-19853481W

Dryopteridaceae

1189 *Bolbitis portoricensis* (Spreng.) Hennisman
Costa Rica, Province de Puntarenas, Reserva
Biologica Carara, 100 m
CR-0-NCY-19933261W

1190 *Elaphoglossum crinitum* (L.) Christ
XX-0-NCY-19953219G

1191 *Elaphoglossum petiolatum* Urb. var. *dussii*
(Underw. ex Maxon) Proctor
Guadeloupe
GP-0-NCY-19813686W

Hypodematiaceae

1192 *Didymochlaena truncatula* (Sw.) J.Sm.
Guyane Française, Saül, Montagne Boeuf Mort
GF-0-NCY-20063457W

Nephrolepidaceae

1193 *Nephrolepis biserrata* (Sw.) Schott
var. *biserrata*
Réunion, Saint-Philippe, Mare Longue, 600-700 m
RE-0-NCY-19953243W

Polypodiaceae

1194 *Aglaomorpha meyeniana* Schott
Chine, Nanjing, Sud Fuzhou, 500 m
CN-0-NCY-19933299W

1195 *Aglaomorpha novoguineensis* Brause
Papouasie - Nouvelle-Guinée
PG-0-NCY-20023194Z

1196 *Aglaomorpha speciosa* (Blume) M.C.Roos
Thaïlande
TH-0-NCY-19833531W

1197 *Campyloneurum aglaolepis* de la Sota
Equateur, Napo, Rio Napo, N.Est de Ahuano, 400 m
EC-0-NCY-19993133W

1198 *Dictymia brownii* Copel.
XX-0-NCY-19793289G

1199 *Microgramma mauritiana* (Willd.) Tardieu
Cameroun
CM-0-NCY-19843024W

1200 *Microgramma piloselloides* (L.) Copel.
Guadeloupe, Basse-Terre, La Providence, Route
des Deux Mamelles, 300 m
GP-0-NCY-19893687W

1201 *Microsorium maximum* (Brack.) Copel.
XX-0-NCY-20163438G

1202 *Platynerium lemoinei* hort.
(*P. bifurcatum* subsp. *willinckii* x *P. veitchii*)
XX-0-NCY-19783518G

1203 *Selliguea feei* Bory
Indonésie, Sumatra, Central Sumatra
ID-0-NCY-20153515W

1204 *Selliguea feeoides* Copel.
Indonésie, O. Java, pente d'un volcan, environs de
Bandung, 1200 m
ID-0-NCY-19853437W

1205 *Selliguea triloba* (Houtt.) M.G.Price
Malaisie Péninsulaire, Genting Highlands, 1600 m
MY-0-NCY-20133421W

1206 *Serpocaulon catharinae* A.R.Sm.
Brésil, Alagoas, Quebrangulo
BR-0-NCY-20143644W

1207 *Serpocaulon loriceum* (L.) A.R.Sm.
Guadeloupe
GP-0-NCY-19813685W

1208 *Serpocaulon vacillans* (Link) A.R.Sm.
Brésil, Bahia, Pedra Branca, 200 m
BR-0-NCY-19943553W

Pteridaceae

1209 *Acrostichum aureum* L.
Guyane Française, ranch Terre Rouge Mana, en
bordure de fleuve
GF-0-NCY-20093231W

PHANEROGAMAE

ANGIOSPERMAE

MAGNOLIIDAE

Aristolochiaceae

1211 *Aristolochia fimbriata* Cham.
XX-0-NCY-19793460G

1212 *Aristolochia fimbriata* Cham.
XX-0-NCY-19813019G

~~1213 *Aristolochia ringens* Vahl
Cameroun
CM-0-NCY-19843092W~~

Piperaceae

1214 *Piper nigrum* L.
XX-0-NCY-20003070G

MONOCOTYLEDONEAE

Amaryllidaceae

1215 *Amaryllis belladonna* L.
XX-0-NCY-19883521G

1216 *Habranthus tubispathus* (L'Hér.) Traub
XX-0-NCY-19883523G

1217 *Hippeastrum stylosum* Herb.
Brésil, Alagoas, Quebrangulo
BR-0-NCY-19983130W

1218 *Sprekelia formosissima* (L.) Herb.
XX-0-NCY-19563028G

1219 *Tulbaghia violacea* Harv. subsp. *violacea*
XX-0-NCY-19863233G

Arecaceae

1220 *Adonidia merrillii* (Becc.) Becc.
XX-0-NCY-19843383G

1221 *Dypsis decaryi* (Jum.) Beentje & J.Dransf.
XX-0-NCY-19893711G

1222 *Hyophorbe lagenicaulis* (L.H.Bailey)
H.E.Moore
XX-0-NCY-19843236G

Asparagaceae

1223 *Chlorophytum holstii* Engl.
XX-0-NCY-19673095G

1224 *Eustrephus latifolius* R.Br.
XX-0-NCY-20053014G

1225 *Massonia pustulata* Jacq.
XX-0-ER-2007-433

1226 *Veltheimia bracteata* Baker
XX-0-NCY-19603374G

Asphodelaceae

1227 *Dianella caerulea* Sims
XX-0-NCY-19603389G

Bromeliaceae

1228 *Acanthostachys strobilacea* (Schult. &
Schult.f.) Klotzsch
XX-0-NCY-19603293G

1229 *Aechmea aquilega* (Salisb.) Griseb.
var. *aquilega*
Guyane Française, Région de Cayenne
GF-0-NCY-19823459W

1230 *Aechmea bracteata* (Sw.) Griseb.
XX-0-NCY-19713172G

1231 *Aechmea candida* E.Morren ex Baker
XX-0-NCY-20023108G

1232 *Aechmea filicaulis* (Griseb.) Mez
XX-0-NCY-20033175G

1233 *Aechmea longifolia* (Rudge) L.B.Sm. &
M.A.Spencer
Guyane Française, Région de Cayenne
GF-0-NCY-19823466W

1234 *Aechmea nudicaulis* (L.) Griseb.
XX-0-NCY-19763196G

1235 *Aechmea recurvata* (Klotzsch) L.B.Sm.
var. *recurvata*
XX-0-NCY-19543150G

1236 *Billbergia kuhlmannii* L.B.Sm.
XX-0-NCY-19983229G

1237 *Bromelia karatas* L.
XX-0-NCY-19873373G

1238 *Bromelia nidus-puellae* (André) André ex
Mez
XX-0-NCY-19563258G

1239 *Dyckia frigida* Hook.f.
XX-0-NCY-19603308G

1240 *Fosterella penduliflora* (C.H.Wright) L.B.Sm.
XX-0-NCY-19993286G

1241 *Fosterella villosula* (Harms) L.B.Sm.
XX-0-NCY-19923196G

1242 *Guzmania wittmackii* (André) André ex Mez
XX-0-NCY-19813442G

1243 *Orthophytum foliosum* L.B.Sm.
XX-0-NCY-19743019G

1244 *Pitcairnia integrifolia* Ker Gawl.
XX-0-NCY-19753236G

1245 *Pitcairnia maidifolia* (C.Morren) Decne. ex
Planch.
XX-0-NCY-19603299G

1246 *Pitcairnia paraguayensis* L.B.Sm.
XX-0-NCY-20033171G

1247 *Pitcairnia xanthocalyx* Mart.
XX-0-NCY-19753247G

Colchicaceae

1248 *Sandersonia aurantiaca* Hook.
XX-0-NCY-20183070G

Commelinaceae

1249 *Aneilema aequinoctiale* (P.Beauv.) Loudon
XX-0-NCY-19733117G

1250 *Callisia monandra* (Sw.) Schult. & Schult.f.
Martinique, Nord Caraïbes, Morne Rouge
MQ-0-NCY-20003348W

1251 *Callisia repens* (Jacq.) L.
Brésil, Bahia, Sao Jose, 200 m
BR-0-NCY-19943568W

1252 *Coleotrype goudotii* C.B.Clark
XX-0-NCY-20003344G

1253 *Commelina erecta* L. subsp. *erecta*
Brésil, Bahia, Guarajuba, plage, C0 m
BR-0-NCY-19943571W

1254 *Commelina erecta* L. subsp. *erecta*
Costa Rica, Province de Puntarenas, Reserva
Biologica Carara, 100 m
CR-0-NCY-19933257W

1255 *Floscopa scandens* Lour.
XX-0-NCY-19793404G

1256 *Gibasis geniculata* (Jacq.) Rohweder
Brésil, Bahia
BR-0-NCY-19943567W

1257 *Tradescantia cerinthoides* Kunth
XX-0-NCY-19523007G

1258 *Tradescantia fluminensis* Vell.
Brésil, Espertio Santo, près de Ribeirao, C1100 m
BR-0-NCY-19943569W

1259 *Tradescantia spathacea* Sw.
Guadeloupe, Marie-Galante
GP-0-NCY-19823255W

Costaceae

1260 *Costus afer* Ker. Gawl.
XX-0-NCY-19793311G

Hypoxidaceae

1261 *Hypoxis decumbens* L.
Brésil, Sao Paulo, Sao José de Barreiro
BR-0-BR-19750510

Iridaceae

1262 *Ennealophus euryandrus* (Griseb.) Ravenna
subsp. *euryandrus*
Bolivie, Santa Cruz, Comarapa - Jagüe, 2140 m
BO-0-M-2000/1134

1263 *Trimezia martinicensis* (Jacq.) Herb.
Brésil, Alagoas, Quebrangulo
BR-0-NCY-20113236W

Juncaceae

1264 *Juncus ensifolius* Wikstr.
France, Lorraine, Vosges (88), Celles-sur-Plaine
FR-0-NCY-20113222W

Marantaceae

1265 *Marantochloa leucantha* Milne-Redh.
var. *leucantha*
XX-0-NCY-19763075G

Musaceae

1266 *Musa mannii* H.Wendl. ex Baker
XX-0-NCY-19603461G

Poaceae

1267 *Chrysopogon zizanioides* (L.) Roberty
XX-0-NCY-20013082G

1268 *Oryza sativa* L. 'Nam Dawk Mai'
Thaïlande, Chainat
TH-0-NCY-20173204Z

Xyridaceae

1269 *Xyris difformis* Chapm. var. *difformis*
États-Unis, Michigan, Clinton Co. Rose Lake Bog,
256 m
US-0-NCY-20143203W

EUDICOTYLEDONEAE

Acanthaceae

1270 *Crossandra puberula* Klotzsch
XX-0-NCY-19753172G

Aizoaceae

1271 *Carruanthus peersii* L.Bolus
XX-0-NCY-19753096G

1272 *Delosperma abyssinicum* (Regel) Schwantes
XX-0-NCY-19913041G

1273 *Delosperma bosserianum* Marais
XX-0-STUTZ-00253Z

1274 *Delosperma bosserianum* Marais
XX-0-NCY-19913042G

1275 *Delosperma harazianum* Poppend. & Ihlenf.
Arabie Saoudite
SA-0-STGAL-113/1992

1276 *Delosperma herbeum* (N.E.Br.) N.E.Br.
XX-0-NCY-19793036G

Apiaceae

1277 *Eryngium foetidum* L.
Costa Rica
CR-0-NCY-20163373W

Apocynaceae

1278 *Araujia sericifera* Brot.
XX-0-NCY-20153131G

1279 *Catharanthus roseus* (L.) G.Don var. *roseus*
Espagne, Canaries
ES-0-NCY-19993124Z

1280 *Hoya micrantha* Hook f.
XX-0-NCY-19773406G

1281 *Hoya pubicalyx* Merr.
XX-0-NCY-19773408G

1282 *Pachypodium geayi* Costantin & Bois
XX-0-NCY-19973334G

1283 *Pachypodium lamerei* Drake
Madagascar
MG-0-NCY-19793825

1284 *Pachypodium rosulatum* Baker
subsp. *gracilius* (H.Perrier) Lüthy
XX-0-NCY-19993020G

Araliaceae

1285 *Schefflera schizophylla* Frodin
Thaïlande
TH-0-NCY-19833232W

Asteraceae

1286 *Ageratina adenophora* R.M.King & H.Rob.
Thaïlande
TH-0-NCY-19833072W

1287 *Artemisia thuscula* Cav.
Espagne, Canaries, Hierro
ES-0-NCY-19753201W

Balsaminaceae

1288 *Impatiens auricoma* Baill.
Mayotte, Mont Bénara, 100-200 m
YT-0-NCY-20173780W

Byblidaceae

1289 *Byblis liniflora* Salisb.
XX-0-NCY-20163384G

Cactaceae

1290 *Cleistocactus smaragdiflorus* Britton & Rose
XX-0-NCY-19573104G

1291 *Mammillaria prolifera* (Mill.) Haw.
subsp. *texana* (Engelm.) D.R.Hunt
XX-0-NCY-19603276G

1292 *Parodia magnifica* (F.Ritter) F.H.Brandt
XX-0-NCY-19803325G

1293 *Parodia microsperma* (F.A.C.Weber) Speg.
subsp. *microsperma*
XX-0-NCY-19963186G

1294 *Pfeiffera ianthothele* F.A.C.Weber
XX-0-NCY-19863200G

1295 *Pfeiffera monacantha* (Griseb.) P.V.Heath
subsp. *monacantha*
XX-0-NCY-19883541G

1296 *Pseudorhipsalis ramulosa* Barthlott subsp.
ramulosa
XX-0-NCY-19753309G

1297 *Rebutia neocumingii* (Backeb.) D.R.Hunt
subsp. *lanata* (F.Ritter) D.R.Hunt
XX-0-NCY-19803330G

1298 *Rhipsalis baccifera* (Sol.) Stearn
subsp. *baccifera*
Guyane Française, Rivière Aratay, Saut Pararé
GF-0-NCY-19813377W

1299 *Rhipsalis baccifera* (Sol.) Stearn
subsp. *baccifera*
République Dominicaine, Ile de Saona near
Catuano, 20 m
DO-0-NCY-19893741W

1300 *Rhipsalis baccifera* (Sol.) Stearn
subsp. *mauritiana* (DC.) Barthlott
Réunion, Ravine à Malheur
RE-0-NCY-19843324W

1301 *Rhipsalis floccosa* Salm-Dyck ex Pfeiff.
subsp. *pittieri* (Britton & Rose) Barthlott &
N.P.Taylor
XX-0-NCY-20003084G

1302 *Rhipsalis lindbergiana* K.Schum.
Brésil, Alagoas, Quebrangulo
BR-0-NCY-19953154W

~~1303 *Rhipsalis micrantha* hort. ex F.A.C.Weber
XX-0-NCY-19783363G~~

1304 *Rhipsalis micrantha* hort. ex F.A.C.Weber
(= *R. rauhiorum* Barthlott)
Equateur, Loja, tal des Rio Catamayo, 1300 m,
Rauh 35248
EC-0-NCY-19883332W

1305 *Rhipsalis pilocarpa* Loefgr.
XX-0-NCY-19783671G

Campanulaceae

1306 *Musschia aurea* (L.f.) Dumort.
XX-0-NCY-19783372G

Capparaceae

1307 *Capparis spinosa* L.
XX-0-NCY-19953036G

1308 *Steriphoma cleomoides* Spreng.
XX-0-NCY-19793490G

Caricaceae

1309 *Carica papaya* L.
XX-0-NCY-20153394G

Convolvulaceae

1310 *Argyreia nervosa* (Burm.f.) Bojer
XX-0-NCY-20133367G

1311 *Merremia dissecta* (Jacq.) Hallier f.
Inde
IN-0-NCY-19953199Z

Crassulaceae

1312 *Aeonium glutinosum* Webb & Berthel.
Portugal, Madeira, Pointe de Carajou
PT-0-NCY-19903095W

1313 *Aeonium lancerottense* (Praeger) Praeger
Espagne, Canaries, Lanzarote, Mirador del Rio
ES-0-NCY-19853496W

1314 *Aeonium undulatum* Webb & Berthel.
XX-0-NCY-20013059G

1315 *Aeonium valverdense* (Praeger) Praeger
XX-0-NCY-20013060G

1316 *Crassula cordata* Thunb.
XX-0-NCY-19783653G

1317 *Crassula exilis* Harv.
subsp. *cooperi* (Regel) Toelken
XX-0-NCY-19793597G

1318 *Crassula lanuginosa* Harv.
var. *lanuginosa*
XX-0-NCY-19783093G

1319 *Crassula perfoliata* L.
var. *perfoliata*
XX-0-NCY-19603124G

1320 *Echeveria pilosa* J.A.Purpus
Mexique, Puebla, Sierra de Mixteca, 1600 m
MX-0-NCY-19913077W

1321 *Echeveria quitensis* Lindl.
var. *quitensis*
Equateur, Chimborazo, long du Rio Atapo, entre
Alausi & Huigra
EC-0-NCY-19993160W

1322 *Echeveria setosa* Rose & J.A.Purpus
var. *setosa*
Mexique, Mexico, Sierra de Mixteca, 1300 m
MX-0-NCY-19913078W

1323 *Kalanchoe blossfeldiana* Poelln.
Madagascar
MG-0-NCY-19913365Z

1324 *Kalanchoe crenata* (Andrews) Haw.
XX-0-NCY-19913357Z

1325 *Kalanchoe daigremontiana* Raym.-Hamet &
H.Perrier
XX-0-NCY-19603143G

1326 *Kalanchoe delagoensis* Eckl. & Zeyh.
Madagascar, Province de Tuléar, Manakaravavy,
Ampaniky, 280 m
MG-0-NCY-19933326W

1327 *Kalanchoe fedtschenkoi* Raym.-Hamet &
H.Perrier
Madagascar
MG-0-NCY-19913384Z

1328 *Kalanchoe houghtonii* D.B.Ward
(= *K. daigremontiana* Raym.-Hamet & H. Perrier x
K. delagoensis Eckl. & Zeyh.)
XX-0-NCY-20143431G

1329 *Kalanchoe laciniata* (L.) DC.
XX-0-NCY-19753416G

1330 *Kalanchoe lobata* R.Fern.
XX-0-NCY-19853167G

1331 *Kalanchoe marmorata* Baker
XX-0-NCY-19913372Z

1332 *Kalanchoe maromokotrensis* Desc. &
Rebmann
XX-0-NCY-20143412G

1333 *Kalanchoe nyikae* Engl.
subsp. *nyikae*
XX-0-M-N/3140

1334 *Kalanchoe sexangularis* N.E.Br.
XX-0-NCY-19763235G

1335 *Monanthes polyphylla* Haw.
subsp. *polyphylla*
XX-0-NCY-19893465G

1336 *Sedum palmeri* S.Watson
XX-0-NCY-19543009G

1337 *Tylecodon paniculatus* (L.f.) Toelken
XX-0-NCY-19893515G

Droseraceae

1338 *Drosera admirabilis* Debbert
Afrique du Sud, Cap-Occidental, Ceres Mountains
ZA-0-NCY-20153403Z

1339 *Drosera admirabilis* Debbert
Afrique du Sud, Cap-Occidental, Palmiet River
ZA-0-NCY-20153404Z

- 1340 *Drosera aliciae* Raym.-Hamet
Afrique du Sud
ZA-0-NCY-19803227W
- 1341 *Drosera aliciae* Raym.-Hamet
Afrique du Sud, Western Cape, Silvermine
ZA-0-NCY-20133459Z
- 1342 *Drosera aliciae* Raym.-Hamet
(= *D. curviscapa* T.M.Salter)
Afrique du Sud, Cap-Occidental, Hermanus
ZA-0-NCY-20173017Z
- 1343 *Drosera anglica* Huds.
États-Unis, Hawaii
US-0-NCY-20143094Z
- 1344 *Drosera binata* Labill.
Nouvelle-Zélande, Coromandel
NZ-0-NCY-20133003Z
- 1345 *Drosera binata* Labill.
Australie, Victoria, Tonimbuck
AU-0-NCY-20143151Z
- 1346 *Drosera burmannii* Vahl
Australie, New South Wales, Evans Head
AU-0-NCY-20133321Z
- 1347 *Drosera burmannii* Vahl
Indonésie, Sulawesi Tengah, 1600 m
ID-0-NCY-20163149Z
- 1348 *Drosera* x *californica* Cheek
nsubsp. *californica*
(*D. filiformis* Raf. var. *filiformis* x *D. tracyi* Macfarl.)
XX-0-NCY-20133322G
- 1349 *Drosera capensis* L.
Afrique du Sud, Cap-Occidental, Montagu Pass
ZA-0-NCY-20153411Z
- 1350 *Drosera capensis* L.
Afrique du Sud, Cap-Occidental, S. de
Vanrhynsdorp, Giftberg Pass
ZA-0-NCY-20153409Z
- 1351 *Drosera capensis* L.
Afrique du Sud, Cap-Occidental, Stellenboch
ZA-0-NCY-20153412Z
- 1352 *Drosera capensis* L.
Afrique du Sud, Vogelgat National Reserve
ZA-0-NCY-20123302Z
- 1353 *Drosera capensis* L.
Afrique du Sud, Cap-Occidental, Montagu Pass
ZA-0-NCY-20133462Z
- 1354 *Drosera capensis* L.
Plantes sans anthocyanes/Anthocyanin free
Afrique du Sud, Cap-Occidental, Bainskloof Pass
ZA-0-NCY-20153407Z
- 1355 *Drosera capensis* L.
Plantes sans anthocyanes/Anthocyanin free
Afrique du Sud, Cap-Occidental, Bainskloof Pass
ZA-0-NCY-20153276Z
- 1356 *Drosera esmeraldae* (Steyerm.) Maguire &
Wurdack
XX-0-BR-2012119904
- 1357 *Drosera filiformis* Raf. var. *filiformis*
États-Unis, New Jersey, Pine Barrens
US-0-NCY-20133388Z
- 1358 *Drosera filiformis* Raf. var. *floridana* B.Rice
États-Unis, Floride
US-0-NCY-20163108Z
- 1359 *Drosera finlaysonianana* Wall.
XX-0-NCY-20163109G
- 1360 *Drosera intermedia* Hayne
Etats-Unis, Floride
US-0-NCY-20133008Z
- 1361 *Drosera intermedia* Hayne
France, Vosges (88), La Méreille
FR-0-NCY-20133198W
- 1362 *Drosera intermedia* Hayne
Vénézuéla, Bolivar, Mont Roraima
VE-0-NCY-20143099Z
- 1363 *Drosera intermedia* Hayne
Plantes sans anthocyanes/Anthocyanin free
États-Unis, Caroline du Nord
US-0-NCY-20153416Z
- 1364 *Drosera natalensis* Diels
XX-0-NCY-20153419G
- 1365 *Drosera natalensis* Diels
Afrique du Sud, Limpopo, Lajuma
ZA-0-NCY-20153418Z
- 1366 *Drosera natalensis* Diels
Zimbabwe, Chinimani Mounts
ZW-0-NCY-20183009Z

1367 *Drosera regia* Stephens
XX-0-NCY-20033149G

1368 *Drosera rotundifolia* L.
Allemagne, Nordrhein-Westfalen, Wahner Heide,
N. de la Caserne
DE-0-BONN-16284

1369 *Drosera rotundifolia* L.
Canada, Québec, MRC Brome Missisquoi, 59 m
CA-0-NCY-20143218W

1370 *Drosera rotundifolia* L.
Estonie, Põlvamaa, Räpina Community, Rahumäe
bog
EE-0-NCY-20153080W

1371 *Drosera rotundifolia* L.
France, Vosges, Col d'Artimont
FR-0-NCY-20173483W

1372 *Drosera rotundifolia* L.
France, Vosges, La Bresse, Chemin de la Xlatte
FR-0-NCY-20173481W

1373 *Drosera rotundifolia* L.
France, Vosges, La Ténine, 900 m
FR-0-NCY-20133197W

1374 *Drosera rotundifolia* L.
France, Vosges, Lispach, 900 m
FR-0-NCY-20133192W

1375 *Drosera rotundifolia* L.
France, Vosges, Rouges Feignes, 1100 m
FR-0-NCY-20133195W

~~1376 *Drosera rotundifolia* L.
France, Vosges, Route des crêtes
FR-0-NCY-20173488W~~

~~1377 *Drosera rotundifolia* L.
Italie, Monte Bondone, Sopramonte, 1550m
IT-0-NCY-20143165Z~~

~~1378 *Drosera rotundifolia* L.
France, Alsace, Haut Rhin, Metzeral, Ammelthal
FR-0-NCY-20163407W~~

1379 *Drosera rotundifolia* L.
France, Corse du Sud, Orto
FR-0-NCY-20153426Z

1380 *Drosera rotundifolia* L.
France, Alsace, Haut-Rhin, Metzeral, Ammelthal
FR-0-NCY-20163408W

1381 *Drosera rotundifolia* L.
France, Vosges, Col d'Artimont
FR-0-NCY-20173486W

1382 *Drosera spatulata* Labill.
var. *bakoensis* A.Fleischm. & Chi.C.Lee
Malaisie, Bornéo, Sarawak, Parc National de Bako
MY-0-NCY-20133490Z

1383 *Drosera spatulata* Labill. var. *spatulata*
Australie, Queensland, Fraser Island
AU-0-NCY-20133015Z

1384 *Drosera spatulata* Labill. var. *spatulata*
Japon, Kanto
JP-0-NCY-20133012Z

1385 *Drosera spatulata* Labill. var. *spatulata*
Nouvelle-Zélande, South Island, Arthur Range,
Tuao Wharepapa (Mont Arthur)
NZ-0-NCY-20163092Z

1386 *Drosera spatulata* Labill. var. *spatulata*
Nouvelle-Zélande, South Island, West Coast,
Denniston
NZ-0-NCY-20163152Z

1387 *Drosera tokaiensis* T.Nakam. & K.Ueda
subsp. *tokaiensis*
XX-0-NCY-20133326G

1388 *Drosera venusta* Debbert
XX-0-NCY-19943127G

Drosophyllaceae

1389 *Drosophyllum lusitanicum* (L.) Link
Espagne, Andalucia, 20km de Los Barrios
ES-0-NCY-20153321W

Ericaceae

~~1390 *Sphrospermum buxifolium* Poepp. & Endl.
XX-0-NCY-19793798G~~

Erythroxylaceae

1391 *Erythroxylum novogranatense* Hieron. var.
novogranatense
XX-0-NCY-19943412G

Euphorbiaceae

1392 *Jatropha curcas* L.
Guinée, région de Kankan, Koumana
GN-0-NCY-19913002W

Fabaceae

1393 *Abrus precatorius* L.
Madagascar, Analamatsaka-Andohahele parcelle III
MG-0-NCY-19933355W

1394 *Acacia sphaerocephala* Cham. & Schltr.
XX-0-NCY-19963114G

1395 *Arachis hypogaea* L.
XX-0-NCY-19993178G

1396 *Cajanus cajan* (L.) Millsp.
Mayotte, Mamoudzou
YT-0-NCY-20173735W

1397 *Centrosema pubescens* Benth.
Mayotte, Tsingoni, Mont Combani
YT-0-NCY-20173737W

1398 *Clitoria ternatea* L.
XX-0-DR-016166

1399 *Clitoria ternatea* L.
Vanuatu, Nouvelles Hébrides, Espirito Santo
VU-0-GZU-02150344

1400 *Codariocalyx motorius* (Houtt.) H. Ohashi
République Démocratique Populaire Lao
LA-0-NCY-20123060W

1401 *Desmodium incanum* (G.Mey.) DC.
Mayotte, Tsingoni, Mont Combani
YT-0-NCY-20173738Z

1402 *Indigofera tinctoria* L.
Mayotte, Mamoudzou, Tsoundzou I
YT-0-NCY-20173743W

1403 *Mimosa pudica* L.
Equateur, Province de Napo, Teno
EC-0-BONN-19256

1404 *Neptunia plena* (L.) Benth.
XX-0-BR-2003100116

Geraniaceae

1405 *Pelargonium abrotanifolium* (L.f.) Jacq.
XX-0-NCY-19973154G

~~1406 *Pelargonium abrotanifolium* (L.f.) Jacq.
XX-0-NCY-19983043G~~

1407 *Pelargonium acetosum* (L.) L'Hér.
XX-0-NCY-19973210G

1408 *Pelargonium carnosum* (L.) L'Hér.
XX-0-NCY-20033018G

~~1409 *Pelargonium hirtum* (Burm.f.) Jacq.
XX-0-NCY-19993109G~~

1410 *Pelargonium inquinans* (L.) L'Hér.
XX-0-NCY-20003132G

1411 *Pelargonium mollicomum* Fourc.
XX-0-NCY-20093228G

1412 *Pelargonium mollicomum* Fourc.
Afrique du Sud, Province du Cap Oriental, Patensie
ZA-0-NCY-20023121W

~~1413 *Pelargonium stenopetalum* Ehrh.
XX-0-NCY-20103048G~~

1414 *Pelargonium vitifolium* (L.) L'Hér.
XX-0-NCY-19973147G

Gesneriaceae

1415 *Deinostigma tamiana* (B.L.Burtt)
D.J.Middleton & H.J.Atkins
XX-0-ULM-2003-G-73

1416 *Rhytidophyllum tomentosum* (L.) Mart.
XX-0-NCY-19743149G

1417 *Streptocarpus pallidiflorus* C.B.Clarke
XX-ULM-2006-G-126

Lamiaceae

1418 *Ocimum gratissimum* L.
var. *macrophyllum* Briq.
Madagascar, Antsiranana (Diego Suarez), Ankarana
Nord
MG-0-LYJB-150359

1419 *Plectranthus caninus* Roth.
XX-0-NCY-19563031G

1420 *Pogostemon cablin* Benth.
XX-0-NCY-19783371G

Malpighiaceae

1421 *Heteropterys chrysophylla* (Lam.) Kunth
XX-0-NCY-19793114G

Malvaceae

1422 *Hibiscus sabdariffa* L.
XX-0-NCY-20183141G

1423 *Sida rhombifolia* L.
Mayotte, Mamoudzou, Tsoundzou II
YT-0-NCY-20173748Z

Melastomataceae

1424 *Arthrostemma parvifolium* Cogn.
XX-0-JSUS-20140207

1425 *Bertolonia marmorata* Naudin
var. *marmorata*
Brésil, Bahia
BR-0-NCY-19943657W

1426 *Bertolonia marmorata* Naudin
var. *marmorata*
Brésil, Bahia, Sao Jose, C200 m
BR-0-NCY-19943655W

~~1427 *Calvoa orientalis* Taub.
XX-0-ULM-2014-G-50~~

1428 *Calvoa orientalis* Taub.
XX-0-NCY-19753257G

1429 *Medinilla basaltarum* Jum. & H.Perrier
XX-0-NCY-19983223G

1430 *Medinilla succulenta* Blume
Malaisie, Bornéo
MY-0-NCY-20113032Z

1431 *Monolena primuliflora* Hook.f.
XX-0-NCY-19783060G

1432 *Phyllagathis prostrata* C. Hansen
Thaïlande
TH-0-NCY-19833115W

Montiaceae

1433 *Phemeranthus confertiflorus* Hershk.
Mexique, Chihuahua
MX-0-NCY-20153103Z

Myrtaceae

1434 *Syzygium jambos* (L.) Alston
XX-0-NCY-19743189G

Oxalidaceae

1435 *Biophytum sensitivum* (L.) DC.
XX-0-NCY-19753255G

Passifloraceae

1436 *Passiflora loefgrenii* Vitta
XX-0-LYJB-130459

1437 *Passiflora rubra* L.
Equateur
EC-0-DR-010492

1438 *Passiflora suberosa* L.
Guadeloupe
GP-0-NCY-19813715W

Petiveriaceae

1439 *Rivina humilis* L.
XX-0-NCY-19603471G

Plantaginaceae

1440 *Maurandya barclaiana* Lindl.
Pérou, Urumbamba
PE-0-NCY-19843107W

1441 *Plantago leiopetala* Lowe
Portugal, Madeira, Porto Santo
PT-0-NCY-19813324W

1442 *Plantago subspathulata* Pilg.
Portugal, Madeira
PT-0-NCY-19823063W

Plumbaginaceae

1443 *Plumbago zeylanica* L.
XX-0-NCY-19603473G

Primulaceae

1444 *Ardisia crenata* Sims
XX-0-NCY-19773608G

1445 *Lysimachia minoricensis* J.J.Rodr.
XX-0-NCY-19903015G

Rosaceae

1446 *Bencomia caudata* (Aiton) Webb & Berthel.
Espagne, Canaries, Valle Guerra
ES-0-NCY-19893153W

1447 *Drymocallis rupestris* (L.) Soják
France, Languedoc, Gard (30), Pont d'Hérault
FR-0-NCY-20163138W

Rubiaceae

1448 *Coffea arabica* L.
XX-0-NCY-20023196G

1449 *Notopleura parasitica* (Sw.) Hammel
Guadeloupe, Basse-Terre, La Providence, route des
2 mamelles, 300 m
GP-0-NCY-19893680W

1450 *Psychotria carthagenensis* Jacq.
XX-0-NCY-19993176G

1451 *Rothmannia annae* (E.P.Wright) Keay
Seychelles, Ile Aride
SC-0-NCY-19823294W

1452 *Spermacoce verticillata* L.
Cap-Vert, Ile de Santiago
CV-0-NCY-19833044W

Sapotaceae

1453 *Synsepalum dulcificum* Daniell
Togo
TG-0-NCY-19713195W

Scrophulariaceae

1454 *Bontia daphnoides* L.
XX-0-NCY-19813800G

Solanaceae

1455 *Capsicum chinense* Jacq.
XX-0-NCY-20173447G

1456 *Withania riebeckii* Schweinf. ex Balf.f.
Yémen, Socotra
YE-0-NCY-19783421Z

1457 *Withania somnifera* (L.) Dunal
XX-0-NCY-20173284G

Stylidiaceae

1210 ~~*Stylidium assimile* R.Br.~~
XX-0-NCY-20123204G

Urticaceae

1458 *Pilea microphylla* (L.) Liebm.
XX-0-NCY-19523013G

Verbenaceae

1459 *Duranta erecta* L.
Brésil, Bahia, Esperito Santo, 1100 m
BR-0-NCY-19943650W

1460 *Stachytarpheta urticifolia* Sims
Mayotte, Mont Choungi
YT-0-NCY-20173714W

Vitaceae

1461 *Cyphostemma adenopodum* (Sprague) Desc.
XX-0-NCY-19773557G

1462 *Rhoicissus digitata* (L.f.) Gilg & M.Brandt
XX-0-NCY-19903099G

Bibliographie / Bibliography

ANGIOSPERM PHYLOGENY GROUP (2016) - An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. The Linnean Society of London, Botanical Journal of the Linnean Society, 181: 1-20

AUTEURS DIVERS, 1982. FLORE D'ALSACE, PLAINE RHENANE, VOSGES, SUNDGAU D'APRES ISSLER, E., LOYSON, E., WALTER, E., 2 EME ED. STRASBOURG, SOCIETE D'ETUDE DE LA FLORE D'ALSACE.

CASTROVIEJO, S., 1986- . *Flora Iberica : plantas vasculares de la Península Ibérica e Islas Baleares*. Madrid, Real jardín botánico, C.S.I.C.

CLIFTON, R.T.F., 1993. *Geranium family species checklist. Part 4, Pelargonium*. Kent, The Geranium Group.

HUNT, D., 2006. *The New Cactus Lexicon*. DH Books.

KRÜSSMAN, G., 1984. *Manual of cultivated broad-leaved trees and shrubs*. London, B.T. Batsford. 3 vol.

KUBITZKI, K., KRAMER, K.U. and GREEN, P.S. 1990. *The families and genera of vascular plants. 1, Pteridophytes and gymnosperms*. Berlin, Springer verlag.

LAMBINON, J., VERLOOVE, F. 2012. *Nouvelle flore de Belgique, du Grand-Duché de Luxembourg, du Nord de la France et des régions voisines (Ptéridophytes et spermatophytes)*. 6^{ème} éd. Bruxelles, Edition du patrimoine du jardin botanique de Belgique.

LAUBER, K., WAGNER, G. 2000. *Flora Helvetica, flore illustrée de Suisse*. Paris, Belin.

LOWRIE, A., ROBINSON, A., NUNN, R., RICE, B., BOURKE, G., GIBSON, R., MCPHERSON, S., and FLEISCHMANN, A. 2017. *Drosera of the World, Volume 2: Oceania, Asia, Europe, North America*. Redfern Natural History publications, Poole, Dorset, England.

MAYO, S.J., BOGNER, J. and BOYCE, P.C., 1997. *The genera of Araceae*. Kew, Royal Botanic Gardens.

NEW YORK BOTANICAL GARDEN. 1968- . *Flora neotropica*. New York, publ. for organization for flora neotropica by NYBG.

PIGNATTI, S., 2002. *Flora d'Italia*. 2nd ed. Bologna, Edagricole. 3 vol.

ROBINSON, A., GIBSON, R., GONELLA, P., MCPHERSON, S., NUNN, R. and FLEISCHMANN, A. 2017. *Drosera of the World, Volume 3: Latin America & Africa*. Redfern Natural History publications, Poole, Dorset, England.

TISON, J-M. & DE FOUCAULT B. (coords), 2014. *Flora Gallica : Flore de France*. Biotope, Mèze

Sites Web / Websites

Aizoaceae Database

<http://www.mesembs.com/>

Angiosperm Phylogeny Website, version 14.

<https://www.mobot.org/MOBOT/Research/APweb/welcome.html>

Bock, B. (Tela Botanica). Base de données des Trachéophytes de France métropolitaine, version 6.00 du 2019-09-27. Consultation : Décembre 2019. <https://referentiels.tela-botanica.org>

Checklist of Ferns and Lycophytes of the World, by Michael Hassler and Bernd Schmitt, Version 8.11 - November 2019.

<https://worldplants.webarchiv.kit.edu/ferns/>

Flora of china

http://www.efloras.org/flora_page.aspx?flora_id=2

International Crassulaceae Network

<http://www.crassulaceae.ch/de/home>

POWO (2019). "Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <http://www.plantsoftheworldonline.org/> Retrieved 26 december 2019.

The International Plant Names Index (2019). Published on the Internet <http://www.ipni.org> [accessed 27 December 2019].

TAXREF (version en ligne) Museum National d'Histoires Naturelles [Ed]. 2003-2018.

Inventaire National du Patrimoine Naturel, Site web : <https://inpn.mnhn.fr>.

<http://inpn.mnhn.fr/programme/referentiel-taxonomique-taxref>

WCSP (2019). 'World Checklist of Selected Plant Families. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <http://wcsp.science.kew.org> Retrieved 27 December 2019.'

<http://wcsp.science.kew.org/home.do>

Déclaration sur l'honneur et Desiderata ***Affidavit and Desiderata***

Suite à la Convention Internationale relative à la Diversité Biologique (Rio de Janeiro 1992), les **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** fournissent des semences aux conditions suivantes :

a) Qu'elles servent pour l'intérêt commun, à la recherche, à l'enseignement, aux essais, à la culture et au développement des jardins botaniques publics.

b) Qu'une autorisation écrite des **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** doit être obtenue par le correspondant chaque fois que ce dernier envisage la commercialisation du matériel génétique, de ses produits ou de la recherche dérivée. Une telle commercialisation sera soumise à une convention particulière se conformant à la politique des **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine**, à savoir, qu'une partie des bénéfices nets soit versée au pays d'origine des semences,

c) Que le matériel génétique, ses produits ou la recherche dérivée ne transitent en aucun cas par une tierce personne dans un but de commercialisation sans l'autorisation des **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine**,

d) Que les correspondants nomment les **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** dans leurs publications comme les fournisseurs des semences au cas où celles-ci aient été utilisées pour la recherche.

La signature du bon de commande garantit l'acceptation de ces conditions.

*In response to the International Convention on Biological Diversity, (Rio de Janeiro 1992), the **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** supplies the seeds collections requested on the condition that :*

a) They are used for the common good in the areas of research, trialling, breeding, education and the development of public botanic gardens.

*b) If the recipient seeks to commercialise either the genetic material, its products or research derived from it, then permission must be sought from the **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine**. Such commercialisation will be subject to a separate agreement complying with our policy that a proportion of net profits be distributed to the country from which the seeds was collected.*

*c) The genetic material, its products or research derived from it are not passed onto a third party for commercialisation, without permission from the **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine**.*

*d) Any research publications resulting from the use of the genetic material must be acknowledge the **Jardins Botaniques du Grand Nancy et de l'Université de Lorraine** as the supplier.*

I agree to comply with the conditions above.

Je déclare avoir pris connaissance des conditions de fourniture de semences, page précédente
Declare to have acquainted with the condition of supply of seeds, previous page

Nom / Name :

Date / Date :

Signature / Signed :

Nous ne distribuons les semences qu'après avoir reçu ce formulaire signé et complété.
We only distribute seeds after receiving this form signed and filled in.

Adresse / Adress:

--

Chaque demande est limitée à 30 sachets. /Each order is limited to 30 packets.

Indiquez des semences de substitution si par hasard certaines semences demandées ci-dessus étaient déjà épuisées.
Please indicate substitutes if some seeds of your preferred selection should be already exhausted.

--	--	--	--	--	--

Pour votre demande, envoyer uniquement ce formulaire / For your request use only this form

À envoyer avant le **30 mars 2021** à / Send back before **March 30 2021** to

Jardins Botaniques du Grand Nancy et de l'Université de Lorraine.
100, rue du Jardin Botanique
F - 54600 Villers-lès-Nancy
Index.Seminumcjb@grand-nancy.org

Jardins Botaniques du Grand Nancy et de l'Université de Lorraine.
100, rue du Jardin Botanique
F - 54600 Villers-lès-Nancy
Index.Seminumcjbnc@grand-nancy.org

Directeur / Director : **F. PAUTZ**

Directeur scientifique – Scientific Director : **M-N. VAULTIER**

Les récoltes sont effectuées sous la responsabilité de / The harvests are made under the responsibility of:

Collections tempérées / Outdoor collections : **K. BENKHELIFA, M. MANGIN**

Collections tropicales / Tropical collections : **M. RÉMY, A. BOUR**

Jardin d'altitude du Haut Chitelet / Haut Chitelet Alpine Garden : **B. PETITJEAN, P. CHAUVET**

Récoltes en nature / Harvests in the wild: **S. ANTOINE**

Elaboration de l'index / Drawing up : **S. PIERRAT, S. ANTOINE**

Échanges / Exchanges : **S. PIERRAT**

Documentation / Documentation : **C. PABLO**

Connaissance de la flore régionale / Knowledge of the regional flora : **G. SEZNEC, T. MAHEVAS**

Collecteurs - Harvesters :

S. ANTOINE, G. BEGHOURA, K. BENKHELIFA, C. BERTHOLD, A. BOUR, E. CHASSELIN, P. CHAUVET, B. CHENARD, H. DURAND, G. FERRY, J. FOURNIER, J-F GONOT, D. HOUOT, A. HUBERT, M. KLEIN, M. MANGIN, T. MAHEVAS, D. MANTOVANI, C. NOURDIN, B. PETITJEAN, S. PIERRAT, M. REMY, G. SEZNEC, B. THOMAS, S. VINCENT, C. WILLIG

