
STANDARD MATERIAL TRANSFER AGREEMENT

JIC SMTA ID: 341

PREAMBLE

WHEREAS

The International Treaty on Plant Genetic Resources for Food and Agriculture (hereinafter referred to as “the **Treaty**”) was adopted by the Thirty-first session of the FAO Conference on 3 November 2001 and entered into force on 29 June 2004;

The objectives of the **Treaty** are the conservation and sustainable use of **Plant Genetic Resources for Food and Agriculture** and the fair and equitable sharing of the benefits arising out of their use, in harmony with the Convention on Biological Diversity, for sustainable agriculture and food security;

The Contracting Parties to the **Treaty**, in the exercise of their sovereign rights over their **Plant Genetic Resources for Food and Agriculture**, have established a **Multilateral System** both to facilitate access to **Plant Genetic Resources for Food and Agriculture** and to share, in a fair and equitable way, the benefits arising from the utilization of these resources, on a complementary and mutually reinforcing basis;

Articles 4, 11, 12.4 and 12.5 of the **Treaty** are borne in mind;

The diversity of the legal systems of the Contracting Parties with respect to their national procedural rules governing access to courts and to arbitration, and the obligations arising from international and regional conventions applicable to these procedural rules, are recognized;

Article 12.4 of the **Treaty** provides that facilitated access under the **Multilateral System** shall be provided pursuant to a Standard Material Transfer Agreement, and the **Governing Body** of the **Treaty**, in its Resolution 1/2006 of 16 June 2006, adopted the Standard Material Transfer Agreement.

ARTICLE 1 — PARTIES TO THE AGREEMENT

1.1 The present Material Transfer Agreement (hereinafter referred to as “**this Agreement**”) is the Standard Material Transfer Agreement referred to in Article 12.4 of the **Treaty**.

1.2 **This Agreement** is:

BETWEEN: The John Innes Centre, Norwich Research Park, Colney, Norwich, NR4 7UH, UK (hereinafter referred to as “the **Provider**”),

AND: Clarice J. Coyne, United States Department of Agriculture, Agricultural Research Service, Western Regional Plant Introduction Station, 59 Johnson Hall, Pullman, WA 99164-6402, USA (hereinafter referred to as “the **Recipient**”).

1.3 The parties to **this Agreement** hereby agree as follows:

ARTICLE 2 — DEFINITIONS

In **this Agreement** the expressions set out below shall have the following meaning:

“Available without restriction”: a **Product** is considered to be available without restriction to others for further research and breeding when it is available for research and breeding without any legal or contractual obligations, or technological restrictions, that would preclude using it in the manner specified in the **Treaty**.

“Genetic material” means any material of plant origin, including reproductive and vegetative propagating material, containing functional units of heredity.

“Governing Body” means the **Governing Body** of the **Treaty**.

“Multilateral System” means the **Multilateral System** established under Article 10.2 of the **Treaty**.

“Plant Genetic Resources for Food and Agriculture” means any **genetic material** of plant origin of actual or potential value for food and agriculture.

“Plant Genetic Resources for Food and Agriculture under Development” means material derived from the **Material**, and hence distinct from it, that is not yet ready for **commercialization** and which the developer intends to further develop or to transfer to another person or entity for further development. The period of development for the **Plant Genetic Resources for Food and Agriculture under Development** shall be deemed to have ceased when those resources are **commercialized** as a **Product**.

“Product” means **Plant Genetic Resources for Food and Agriculture** that incorporate the **Material** or any of its genetic parts or components that are ready for **commercialization**, excluding commodities and other products used for food, feed and processing.

“Sales” means the gross income resulting from the **commercialization** of a **Product** or **Products**, by the **Recipient**, its affiliates, contractors, licensees and lessees.

“To commercialize” means to sell a **Product** or **Products** for monetary consideration on the open market, and **“commercialization”** has a corresponding meaning. **Commercialization** shall not include any form of transfer of **Plant Genetic Resources for Food and Agriculture under Development**.

ARTICLE 3 — SUBJECT MATTER OF THE MATERIAL TRANSFER AGREEMENT

The **Plant Genetic Resources for Food and Agriculture** specified in *Annex 1* to **this Agreement** (hereinafter referred to as the **“Material”**) and the available related information referred to in Article 5b and in *Annex 1* are hereby transferred from the **Provider** to the **Recipient** subject to the terms and conditions set out in **this Agreement**.

ARTICLE 4 — GENERAL PROVISIONS

4.1 **This Agreement** is entered into within the framework of the **Multilateral System** and shall be implemented and interpreted in accordance with the objectives and provisions of the **Treaty**.

4.2 The parties recognize that they are subject to the applicable legal measures and procedures, that have been adopted by the Contracting Parties to the **Treaty**, in conformity with the **Treaty**, in particular those taken in conformity with Articles 4, 12.2 and 12.5 of the **Treaty**.¹

4.3 The parties to **this Agreement** agree that (*the entity designated by the **Governing Body***),² acting on behalf of the **Governing Body** of the **Treaty** and its **Multilateral System**, is the third party beneficiary under **this Agreement**.

4.4 The third party beneficiary has the right to request the appropriate information as required in Articles 5e, 6.5c, 8.3 and *Annex, 2 paragraph 3*, to **this Agreement**.

4.5 The rights granted to the (*the entity designated by the **Governing Body***) above do not prevent the **Provider** and the **Recipient** from exercising their rights under **this Agreement**.

ARTICLE 5 — RIGHTS AND OBLIGATIONS OF THE PROVIDER

The **Provider** undertakes that the **Material** is transferred in accordance with the following provisions of the **Treaty**:

- a) Access shall be accorded expeditiously, without the need to track individual accessions and free of charge, or, when a fee is charged, it shall not exceed the minimal cost involved;
- b) All available passport data and, subject to applicable law, any other associated available non-confidential descriptive information, shall be made available with the **Plant Genetic Resources for Food and Agriculture** provided;
- c) Access to **Plant Genetic Resources for Food and Agriculture under Development**, including material being developed by farmers, shall be at the discretion of its developer, during the period of its development;
- d) Access to **Plant Genetic Resources for Food and Agriculture** protected by intellectual and other property rights shall be consistent with relevant international agreements, and with relevant national laws;
- e) The **Provider** shall periodically inform the **Governing Body** about the Material Transfer Agreements entered into, according to a schedule to be established by the **Governing Body**. This information shall be made available by the **Governing Body** to the third party beneficiary.³

² *Note by the Secretariat*: by Resolution 2/2006, the Governing Body “invite[d] the Food and Agriculture Organization of the United Nations, as the Third Party Beneficiary, to carry out the roles and responsibilities as identified and prescribed in the Standard Material Transfer Agreement, under the direction of the Governing Body, in accordance with the procedures to be established by the Governing Body at its next session”. Upon acceptance by the FAO of this invitation, the term, “the entity designated by the Governing Body”, will be replaced throughout the document by the term, “the Food and Agriculture Organization of the United Nations”.

³ *Note by the Secretariat*: The Standard Material Transfer Agreement makes provision for information to be provided to the **Governing Body**, in the following Articles: 5e, 6.4b, 6.5c and 6.11h, as well as in *Annex 2*, paragraph 3, *Annex 3*, paragraph 4, and in *Annex 4*. Such information should be submitted to:

The Secretary
International Treaty on Plant Genetic Resources for Food and Agriculture
Food and Agriculture Organization of the United Nations
I-00100 Rome, Italy

ARTICLE 6 — RIGHTS AND OBLIGATIONS OF THE RECIPIENT

6.1 The **Recipient** undertakes that the **Material** shall be used or conserved only for the purposes of research, breeding and training for food and agriculture. Such purposes shall not include chemical, pharmaceutical and/or other non-food/feed industrial uses.

6.2 The **Recipient** shall not claim any intellectual property or other rights that limit the facilitated access to the **Material** provided under **this Agreement**, or its genetic parts or components, in the form received from the **Multilateral System**.

6.3 In the case that the **Recipient** conserves the **Material** supplied, the **Recipient** shall make the **Material**, and the related information referred to in Article 5b, available to the **Multilateral System** using the Standard Material Transfer Agreement.

6.4 In the case that the **Recipient** transfers the **Material** supplied under **this Agreement** to another person or entity (hereinafter referred to as “the **subsequent recipient**”), the **Recipient** shall

- a) do so under the terms and conditions of the Standard Material Transfer Agreement, through a new material transfer agreement; and
- b) notify the **Governing Body**, in accordance with Article 5e.

On compliance with the above, the **Recipient** shall have no further obligations regarding the actions of the **subsequent recipient**.

6.5 In the case that the **Recipient** transfers a **Plant Genetic Resource for Food and Agriculture under Development** to another person or entity, the **Recipient** shall:

- a) do so under the terms and conditions of the Standard Material Transfer Agreement, through a new material transfer agreement, provided that Article 5a of the Standard Material Transfer Agreement shall not apply;
- b) identify, in *Annex 1* to the new material transfer agreement, the **Material** received from the **Multilateral System**, and specify that the **Plant Genetic Resources for Food and Agriculture under Development** being transferred are derived from the **Material**;
- c) notify the **Governing Body**, in accordance with Article 5e; and
- d) have no further obligations regarding the actions of any **subsequent recipient**.

6.6 Entering into a material transfer agreement under paragraph 6.5 shall be without prejudice to the right of the parties to attach additional conditions, relating to further product development, including, as appropriate, the payment of monetary consideration.

6.7 In the case that the **Recipient** commercializes a **Product** that is a **Plant Genetic Resource for Food and Agriculture** and that incorporates **Material** as referred to in Article 3 of **this Agreement**, and where such **Product** is not **available without restriction** to others for further research and breeding, the **Recipient** shall pay a fixed percentage of the **Sales** of the **commercialized Product** into the mechanism established by the **Governing Body** for this purpose, in accordance with *Annex 2* to **this Agreement**.

6.8 In the case that the **Recipient** commercializes a **Product** that is a **Plant Genetic Resource for Food and Agriculture** and that incorporates **Material** as referred to in Article 3 of **this Agreement** and where that **Product** is **available without restriction** to others for further research

and breeding, the **Recipient** is encouraged to make voluntary payments into the mechanism established by the **Governing Body** for this purpose in accordance with *Annex 2* to **this Agreement**.

6.9 The **Recipient** shall make available to the **Multilateral System**, through the information system provided for in Article 17 of the **Treaty**, all non-confidential information that results from research and development carried out on the **Material**, and is encouraged to share through the **Multilateral System** non-monetary benefits expressly identified in Article 13.2 of the **Treaty** that result from such research and development. After the expiry or abandonment of the protection period of an intellectual property right on a **Product** that incorporates the **Material**, the **Recipient** is encouraged to place a sample of this **Product** into a collection that is part of the **Multilateral System**, for research and breeding.

6.10 A **Recipient** who obtains intellectual property rights on any **Products** developed from the **Material** or its components, obtained from the **Multilateral System**, and assigns such intellectual property rights to a third party, shall transfer the benefit-sharing obligations of **this Agreement** to that third party.

6.11 The **Recipient** may opt as per *Annex 4*, as an alternative to payments under Article 6.7, for the following system of payments:

- a) The **Recipient** shall make payments at a discounted rate during the period of validity of the option;
- b) The period of validity of the option shall be ten years renewable in accordance with *Annex 3* to **this Agreement**;
- c) The payments shall be based on the **Sales** of any **Products** and of the sales of any other products that are **Plant Genetic Resources for Food and Agriculture** belonging to the same crop, as set out in *Annex 1* to the **Treaty**, to which the **Material** referred to in *Annex 1* to **this Agreement** belongs;
- d) The payments to be made are independent of whether or not the **Product** is **available without restriction**;
- e) The rates of payment and other terms and conditions applicable to this option, including the discounted rates are set out in *Annex 3* to **this Agreement**;
- f) The **Recipient** shall be relieved of any obligation to make payments under Article 6.7 of **this Agreement** or any previous or subsequent Standard Material Transfer Agreements entered into in respect of the same crop;
- g) After the end of the period of validity of this option the **Recipient** shall make payments on any **Products** that incorporate **Material** received during the period in which this Article was in force, and where such **Products** are not **available without restriction**. These payments will be calculated at the same rate as in paragraph (a) above;
- h) The **Recipient** shall notify the **Governing Body** that he has opted for this modality of payment. If no notification is provided the alternative modality of payment specified in Article 6.7 will apply.

ARTICLE 7 — APPLICABLE LAW

The applicable law shall be General Principles of Law, including the UNIDROIT Principles of International Commercial Contracts 2004, the objectives and the relevant provisions of the **Treaty**, and, when necessary for interpretation, the decisions of the **Governing Body**.

ARTICLE 8 — DISPUTE SETTLEMENT

8.1 Dispute settlement may be initiated by the **Provider** or the **Recipient** or the (*the entity designated by the **Governing Body***), acting on behalf of the **Governing Body** of the **Treaty** and its **Multilateral System**.

8.2 The parties to **this Agreement** agree that the (*the entity designated by the **Governing Body***), representing the **Governing Body** and the **Multilateral System**, has the right, as a third party beneficiary, to initiate dispute settlement procedures regarding rights and obligations of the **Provider** and the **Recipient** under **this Agreement**.

8.3 The third party beneficiary has the right to request that the appropriate information, including samples as necessary, be made available by the **Provider** and the **Recipient**, regarding their obligations in the context of **this Agreement**. Any information or samples so requested shall be provided by the **Provider** and the **Recipient**, as the case may be.

8.4 Any dispute arising from **this Agreement** shall be resolved in the following manner:

- a) Amicable dispute settlement: The parties shall attempt in good faith to resolve the dispute by negotiation.
- b) Mediation: If the dispute is not resolved by negotiation, the parties may choose mediation through a neutral third party mediator, to be mutually agreed.
- c) Arbitration: If the dispute has not been settled by negotiation or mediation, any party may submit the dispute for arbitration under the Arbitration Rules of an international body as agreed by the parties to the dispute. Failing such agreement, the dispute shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce, by one or more arbitrators appointed in accordance with the said Rules. Either party to the dispute may, if it so chooses, appoint its arbitrator from such list of experts as the **Governing Body** may establish for this purpose; both parties, or the arbitrators appointed by them, may agree to appoint a sole arbitrator, or presiding arbitrator as the case may be, from such list of experts. The result of such arbitration shall be binding.

ARTICLE 9 — ADDITIONAL ITEMS

Warranty

9.1 The **Provider** makes no warranties as to the safety of or title to the **Material**, nor as to the accuracy or correctness of any passport or other data provided with the **Material**. Neither does it make any warranties as to the quality, viability, or purity (genetic or mechanical) of the **Material** being furnished. The phytosanitary condition of the **Material** is warranted only as described in any attached phytosanitary certificate. The **Recipient** assumes full responsibility for complying with the recipient nation's quarantine and biosafety regulations and rules as to import or release of **genetic material**.

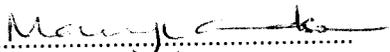
Duration of Agreement

9.2 **This Agreement** shall remain in force so long as the **Treaty** remains in force.

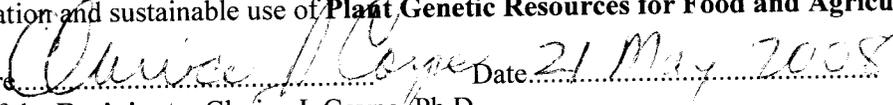
ARTICLE 10 — SIGNATURE/ACCEPTANCE

The **Provider** and the **Recipient** may choose the method of acceptance unless either party requires **this Agreement** to be signed.

The John Innes Centre, Norwich Research Park, Colney, Norwich, NR4 7UH, represent and warrant that I have the authority to execute **this Agreement** on behalf of the **Provider** and acknowledge my institution's responsibility and obligation to abide by the provisions of **this Agreement**, both by letter and in principle, in order to promote the conservation and sustainable use of **Plant Genetic Resources for Food and Agriculture**.

Signature.......... Date.....21st MAY 2008.....
Name of the **Provider** JOHN INNES CENTRE

I, Clarice J. Coyne, United States Department of Agriculture, Agricultural Research Service, Western Regional Plant Introduction Station, 59 Johnson Hall, Pullman, WA 99164-6402, USA, represent and warrant that I have the authority to execute **this Agreement** on behalf of the **Recipient** and acknowledge my institution's responsibility and obligation to abide by the provisions of **this Agreement**, both by letter and in principle, in order to promote the conservation and sustainable use of **Plant Genetic Resources for Food and Agriculture**.

Signature.......... Date.....21 May 2008.....
Name of the **Recipient**...Clarice J. Coyne, Ph.D.....

Annex 1

LIST OF MATERIALS PROVIDED

This *Annex* contains a list of the **Material** provided under **this Agreement**. The listing, with passport data of the **Material** provided is included with the seed consignment. Upon request further data on the material may be provided in addition to that appearing below. Further data may also be found on the following website: (<http://www.jic.ac.uk/GERMPLAS/Index.htm>).

Passport Data	JOHN INNES PISUM COLLECTION (Mutation stocks)					
LINE	NAME	DONOR	DONOR NUMBER	DONOR CTRY	SYNONYM	STATUS
5	MUMMY PEA	LAMM,R	L 50	SWE		Genetic Stock
15	WBH 1458	BLIXT,S	WBH 1458	SWE		Selection
16	EXTRA RAPID	LAMPRECHT,H	WBH 118	SWE	L 118/60	Selection
17	LAMPRECHT 232	LAMPRECHT,H	WBH 232	SWE	DE WINTON-	Selection
26	STIPULA-IMMINUATA-stim	BLIXT,S	WBH 1520	SWE	L 680	Induced mutant
31	WITHAM WONDER	LAMM,R	L 4	SWE	WBH 1760	Genetic Stock
54	WBH 1527	BLIXT,S	WBH 1527	SWE	L58	Induced mutant
55	WBH 1288	BLIXT,S	WBH 1288	SWE		Selection
56	WBH 1080	BLIXT,S	WBH 1080	SWE		Selection
58	WBH 1073	BLIXT,S	WBH 1073	SWE		Selection
59	TENUIFOLIUS-ten	BLIXT,S	WBH 799	SWE		Selection
63	NORRLANDS SUGAR PEA	BLIXT,S	WBH 1241	SWE		Cultivar
64	P.ELATIUS	BLIXT,S	WBH 1293	SWE		Wild type
67	GRAUE POSTHORNCHEM	BLIXT,S	WBH 58	SWE	L 58	Cultivar
70	INFECUNDA -re	BLIXT,S	WBH 963	SWE	E. Nilsson's re	Spont. mutant
73	WBH 1238	BLIXT,S	WBH 1238	SWE		Selection
74	ALTERNO-MARMORATA-mex	BLIXT,S	WBH 1469	SWE		Selection
86	P.SATIVUM-AFGHANISTAN	BLIXT,S	WBH 1403	SWE	WP 527	Primitive popul.
116	PARVUS	HANGILDIN,V.V	L 1107	RUS		Cultivar
117	GLANO 0632	BLIXT,S	WBH 19	SWE	TENDINS	Selection
118	WBH 22	BLIXT,S	WBH 22	SWE	TENDINS	Selection
125	GRISEOSTRIATA-gri	BLIXT,S	WBH 379	SWE	555/2	Selection
127	WBH 592	BLIXT,S	WBH 592	SWE		Selection
128	WBH 741	BLIXT,S	WBH 741	SWE		Selection
129	LACINIATA-lac	BLIXT,S	WBH 751	SWE		Spont. mutant
130	P.ABYSSINICUM	BLIXT,S	WBH 808	SWE	L 808	Selection
131	PROCUMBENS-pro	BLIXT,S	WBH 851	SWE		Spont. mutant
132	WBH 1072	BLIXT,S	WBH 1072	SWE		Selection
133	GRAY RADICULA	BLIXT,S	WBH 1240	SWE		Spont. mutant
134	NAVICULA APERTUS-nap	BLIXT,S	WBH 1255	SWE		Spont. mutant
135	WBH 1352	BLIXT,S	WBH 1352	SWE		Selection
136	INFECUNDA -re	BLIXT,S	WBH 1385	SWE	K.1247	Selection
306	MARKET GEM					Cultivar
321	ALASKA			GBR		Cultivar
322	CHENILLE	LAMPRECHT,H	WBH 5	SWE	L 5	Cultivar
756	RAMOSUS-ram	MONTI,L	P745d	ITA	PARVUS-ram	Induced mutant
794	WBH 774	BLIXT,S	WBH 774	SWE		Selection
795	WBH 1307	BLIXT,S	WBH 1307	SWE		Selection
799	GOLDKONIG	BLIXT,S	WBH 2	SWE		Cultivar
803	WBH 680	BLIXT,S	WBH 680	SWE		Selection
805	WELLENSIEK'S WHITE	BLIXT,S	WBH 1225	SWE		Selection
815	UNDULATIFOLIUS-un	BLIXT,S	WBH 1143	SWE		Selection
819	AGEOTROPUM-age	BLIXT,S	WBH 5102	SWE		Selection
823	EARLY FLOWERING	GOTTSCHALK,W	46	DEU		Induced mutant
824	GOTTSCHALK-68C	GOTTSCHALK,W	68C	DEU		Induced mutant
825	FASCIATED-fa	GOTTSCHALK,W	489C	DEU		Induced mutant
844	NILSSONS ANGUSTIFOLIA	BLIXT,S	WBH 483	SWE		Isoline
845	DE HAANS SLENDER	BLIXT,S	WBH 239	SWE	1402/33	Isoline
846	HORIZONTALIS-ho	BLIXT,S	WBH 1180	SWE		Isoline
857	CHEMIN LONG-NP	SNOAD,B	CI/Np	GBR		Selection
885	CEFALONIA ROGUE					Spont. mutant
905	ALBINA-alb	BLIXT,S	WBH 5105	SWE		Spont. mutant
907	TERMINALIS-alt	BLIXT,S	WBH 1018	SWE	4229/st	Spont. Mutant

909	TERMINALIS XANTHA-xat	BLIXT,S	WBH 896	SWE	Isoline	
919	TERMINALIS-alt	BLIXT,S	WBH 1348	SWE		Induced mutant
932	WEITOR	BLIXT,S	WBH 1263	SWE		Cultivar
968	P.SATIVUM-ETHIOPIA	GRITTON,E.T	PI 193835	USA		Primitive cultivar
992	TORS DAG	SIDOROVA,K.K		RUS	VIR 4820	Cultivar
1069	WILTY-wil	MARX,G.A	B75-409	USA	WBH 2083	Spont. mutant
1232	MASSEY	MURFET,I.C	LINE-59:ED	AUS		Cultivar
1314	PEE WEE			GBR		Cultivar
1340	SUPERPETALOIDUM-sup	BLIXT,S	WBH 565	SWE		Genetic Stock
1375	MURFET LINE 53	INGRAM,T	M'FET 53	GBR	WBH 2683	Genetic Stock
1379	MURFET LINE 58	INGRAM,T	M'FET L 58	GBR	WBL 1792	Genetic Stock
1391	WBH 2138-wp	BLIXT,S	WBH 2138	SWE		Genetic Stock
1392	P.FULVUM	BLIXT,S	WBH 1256	SWE	D 54	Wild type
1394	NADDBO	BLIXT,S	WBH 105	SWE		Cultivar
1420	ERECTOIDES-ik	MATTHEWS,P	XM 4623/18/1	GBR		Genetic Stock
1743	AGEOTROPUM-age	BLIXT,S	WBH 5124	SWE		Induced mutant
1857	P.SATIVUM	BLIXT,S	WBH 1017	SWE		Selection
2163	STAMINA PISTILLIODA-stp-1	BLIXT,S	WBH 6014	SWE		Spont. mutant
2164	CRUMPLED PETALS-crpt	BLIXT,S	WBH 5997	SWE		Spont. mutant
2165	COCHLEARIS-coch<w	BLIXT,S	WBH 5137	SWE		Spont. mutant
2166	PETALOSUS-pe	BLIXT,S	WBH 342	SWE	L. 10	Spont. mutant
2168	SERRATUS-ser	BLIXT,S	WBH 462	SWE		Spont. mutant
2169	/LATHYROIDES	BLIXT,S	WBH 1461	SWE		Spont. mutant
2172	FILIFORMIS-fil	BLIXT,S	WBH 6010	SWE		Spont. mutant
2174	CALYX CARPELLARIS-cc	BLIXT,S	WBH 6104	SWE		Spont. mutant
2179	IMPREMERE-I,TYPE L.	BLIXT,S	WBH 1226	SWE		Selection
2308	WELLENSIEK'S EARLY	MURFET,I.C	WBH 1766	AUS	Jl 1558	Cultivar
2309	WBH 1771	MURFET,I.C	WBH 1771	AUS		Cultivar
2318	WELLENSIEK'S EARLY	MURFET,I.C	WBH 1769	AUS		Induced mutant
2413	DIPPES GELBE VIKTORIA	GOTTSCHALK,W	PARENT LINE	DEU		Cultivar
2499	SPARKLE	LARUE,T		USA		Cultivar
2631	PISUM SATIVUM -fn,fna	BLIXT,S	WBH 757	SWE	K.301	Induced mutant
2632	PISUM SATIVUM-fn,Fna	BLIXT,S	WBH 1308	SWE	K.674	Induced mutant
2635	LIGHT INDEP. PHOTOM-lip	FRANCES,S	ALASKA-lip	USA		Spont. mutant
2667	GREEN FLOWER-gf	GOTTSCHALK,W	M.189B	DEU		Induced mutant
2681	POIS SABRE	BLIXT,S	WBH 96	SWE		Genetic Stock
2682	ACACIA	BLIXT,S	WBH 102	SWE		Genetic Stock
2684	WITHAM WONDER	BLIXT,S	WBH 200	SWE	PI 275822	Genetic Stock
2689	K.246	BLIXT,S	WBH 578	SWE		Genetic Stock
2690	AIR SPACE	BLIXT,S	WBH 581	SWE		Genetic Stock
2694	K.437	BLIXT,S	WBH 794	SWE		Genetic Stock
2696	P. SATIVUM-cry<s	BLIXT,S	WBH 866	SWE	18751/-45	Genetic Stock
2698	P.HUMILE	BLIXT,S	WBH 936	SWE		Genetic Stock
2699	LATIOR	BLIXT,S	WBH 1068	SWE		Genetic Stock
2700	VE	BLIXT,S	WBH 1134	SWE		Genetic Stock
2701	K.577	BLIXT,S	WBH 1138	SWE		Genetic Stock
2703	K.1060	BLIXT,S	WBH 1289	SWE		Genetic Stock
2705	SINE-VEAXILLUM siv	BLIXT,S	WBH 1306	SWE		Genetic Stock
2706	K. 674	BLIXT,S	WBH 1308	SWE		Genetic Stock
2710	MINULUS	BLIXT,S	WBH 1393	SWE		Genetic Stock
2711	K.803	BLIXT,S	WBH 1395	SWE		Genetic Stock
2712	GRISEOLIVACEUS-Foe	BLIXT,S	WBH 1464	SWE		Genetic Stock
2713	P.CINEREUM	BLIXT,S	WBH 1490	SWE	VIR 16037	Genetic Stock
2714	K.1267	BLIXT,S	WBH 1502	SWE		Genetic Stock
2715	CENTROBSCURUM	BLIXT,S	WBH 1516	SWE		Induced mutant
2716	K.1366	BLIXT,S	WBH 1519	SWE		Genetic Stock
2718	K.1365	BLIXT,S	WBH 1539	SWE		Genetic Stock
2720	GRAUE NIEDRIGE	BLIXT,S	WBH 1713	SWE		Cultivar
2722	ONWARD	BLIXT,S	WBH 1737	SWE		Cultivar
2723	ONWARD ROGUE	BLIXT,S	WBH 1738	SWE	C 16 (R)	Cultivar
2728	K.1182	BLIXT,S	WBH 2024	SWE		Isoline
2734	L.65	BLIXT,S	WBH 2687	SWE		Isoline
2735	AUSTRIAN WINTER	BLIXT,S	WBH 3077	SWE		Selection
2736	NO MUTANT 751	BLIXT,S	WBH 3078	SWE		Genetic Stock
2739	POD SPLITTING	BLIXT,S	WBH 3087	SWE		Genetic Stock
2755	COSTATA	BLIXT,S	WBH 5366	SWE		Genetic Stock
2761	ELONGATA	BLIXT,S	WBH 5736	SWE		Genetic Stock
2775	WBH 145	BLIXT,S	WBH 145	SWE	K.723	Genetic Stock
2780	MICROCYPTODWARF	BLIXT,S	WBH 1329	SWE		Induced mutant
2781	SERRATUS	BLIXT,S	WBH 1414	SWE	WP 938	Induced mutant
2782	L.64	BLIXT,S	WBH 2686	SWE		Genetic Stock
2787	BONNEVILLE	BLIXT,S	WBH 3543	SWE		Genetic Stock
3023	SGE	KOSTERIN,O	SGE	RUS	SG	Cultivar
3024	BULBOUS-blb	KOSTERIN,O	SGE80	RUS		Induced mutant
3025	VARIOMACULATA-vam	KOSTERIN,O	SGE632	RUS		Induced mutant
3062	SGR (a-2)	ROZOV,S		RUS		Induced mutant