



The International Treaty

ON PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE



E

Item 11 of the Provisional Agenda

FOURTH SESSION OF THE GOVERNING BODY

Bali, Indonesia, 14 – 18 March 2011

EXPERIENCE OF THE INTERNATIONAL AGRICULTURAL RESEARCH CENTRES OF THE CONSULTATIVE GROUP ON INTERNATIONAL AGRICULTURAL RESEARCH WITH THE IMPLEMENTATION OF THE AGREEMENTS WITH THE GOVERNING BODY, WITH PARTICULAR REFERENCE TO THE USE OF THE STANDARD MATERIAL TRANSFER AGREEMENT FOR ANNEX 1 AND NON-ANNEX 1 CROPS

INTRODUCTION

1. At its Third Session,

The Governing Body noted that at its Second Session it endorsed that interpretative footnotes or series of footnotes would be included to relevant provisions of the Standard Material Transfer Agreement (SMTA) for transfers of non-Annex I material collected before the entry into force of the International Treaty to be used by the International Agricultural Research Centres (IARCs) of the Consultative Group on International Agricultural Research. The Governing Body also noted that the IARCs commenced using the Standard Material Transfer Agreement with footnotes on 1 February 2008, and that the IARCs still have only limited experience with the use to date. The Governing Body further noted that although the IARCs have used the SMTA for a relatively short time, the impression of the Centres is that the SMTA is attracting increasing acceptance by potential recipients as they become more familiar with its terms. The Governing Body decided that it would further review these measures at its Fourth Session.

2. By Resolution 4/2010, the Governing Body

***Request[ed]** the Secretary to prepare a comprehensive report to its Fourth Session on the status of non-monetary and monetary benefit-sharing, as provided for in Articles 13.2a, b, c and d of the International Treaty, and for this purpose to request information from Contracting Parties, international institutions having signed agreements under Article 15, and private sector entities*

3. Pursuant to the decision and request of the Governing Body, and in accordance with the Agreement between the Governing Body and the International Agricultural Research Centres (IARCs) of the Consultative Group on International Agricultural Research (CGIAR), the Secretary held consultations with Bioversity International, on behalf of the IARCs, to seek their views and input to assist the Governing Body in its review of the said measures.

4. Following the consultations, the Secretary received a report from Bioversity International on behalf of the IARCs of the CGIAR, based on system-wide consultations and describing their experiences in the use of the Standard Material Transfer Agreement for both *Annex I* and non-*Annex I* crops. The report covers acquisitions and distribution of germplasm by both the Centres'

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genebanks and breeding programmes for *Annex I* and non-*Annex I* material during the period 1 August 2008 through 31 December 2009.

5. The report submitted by the CGIAR Centres highlighted that the “the impression of the Centres continues to be that the SMTA is attracting increasing acceptance by potential recipients as they become more familiar with its terms”. During the period covered by this report, the Centres have reported that, so far as they know, there have been no violations of the terms and conditions of SMTAs they have sent out during the reporting period.

6. The report also noted certain areas of concern for the CGIAR Centres but it acknowledged that “some of the concerns expressed by the Centres in past reports to the Governing Body have been addressed by the Ad Hoc Advisory Technical Committee on the SMTA and the Multilateral System (the SMTA Committee)”.

7. In Conclusion the Report stated that

“the IARCs have now been distributing materials using the SMTA for four years, since 1 January 2007. In the first three of those years, from 1 January 2007 to 31 December 2009, the Centres distributed a total of 1.15 million samples of PGRFA. Approximately 84 % of the samples were sent to developing countries or countries with economies in transition, 9.5% to developed countries and 6.5% to CGIAR Centres. 18% were sent by the Centres’ genebanks, and 82% from the breeding programmes”.

8. The Report is contained in the *Appendix* to this document, in the form received from Bioversity International on behalf the IARCs of the CGIAR, and the Governing Body is invited to take note of the Report, and to take any decisions necessary.

APPENDIX

CGIAR Centres' experience with the implementation of their Agreements with the Treaty's Governing Body, with particular reference to the use of the SMTA for Annex 1 and non-Annex 1 materials¹.

In 2006, the eleven International Agricultural Research Centres of the Consultative Group on International Agricultural Research (CGIAR Centres) that host international collections of PGRFA signed Agreements with the Governing Body of the International Treaty, placing those collections under the International Treaty's framework.² Since then, the CGIAR Centres have submitted periodic reports to the Governing Body of the Treaty concerning their experiences implementing their Agreements. This is the third such report.

The previous two reports of the CGIAR Centres were submitted to the Second and Third Sessions of the Governing Body in 2007 and 2009 respectively.³ The first report summarized the experience of the IARCs with the implementation of the Agreements and the use of the Standard Material Transfer Agreement (SMTA) for Annex 1 materials for the period 1 January 2007 through 1 August 2007. The second report covered the period 1 August 2007 through 31 July 2008. The second report covered acquisitions and transfers of non-Annex 1 material as well as Annex 1 material, following the decision of the Second Session of the Governing Body that the Centres should use the SMTA also for non-Annex 1 material collected before the entry into force of the Treaty (with a footnote or series of footnotes explaining that the use of certain terms in the SMTA should not be interpreted as precluding the use of the SMTA for non-Annex 1 material).

The present report covers acquisitions and distribution of germplasm by both Centres' genebanks and breeding programmes for Annex 1 and non-Annex 1 material during the period 1 August 2008 through 31 December 2009, a total of 17 months. To keep the report relatively short, most of the data presented (and the annexed tables and pie-charts) are cumulative for the full 17 months covered by the report. However, out of appreciation for the importance of having data that is comparable across calendar years, a break-down of the data, divided into two separate time periods - 1 August to 31 December, 2008 and the whole of 2009 - is being made available at http://www.itpgrfa.net/International/cgiar_centers_data. Future reports to the Governing Body from the IARCs will be based on calendar years.

Sections 2 to 5 below give quantitative information on the IARC's acquisitions and distributions using the SMTA. Sections 6 to 8 include reflections from the Centres of a more qualitative nature.

Before proceeding, it is important to note that the data reported *does not* include materials the IARCs sent for safety back-up purposes to the Svalbard Global Seed Vault. Nor does the report

¹ It is to be noted that the summary reports on the experience of the CGIAR Centres with the use of the SMTA are voluntary reports designed to give the Governing Body an overall picture of how the Agreements with the Governing Body are being implemented. They are not to be confused with the mandatory reporting on the SMTAs entered into by each Centre as a Provider of PGRFA under Article 5.c of the SMTA in accordance with the schedule set down by the Governing Body at its Third Session in June 2009.

² The Agreements can be accessed on the Treaty website at: http://www.planttreaty.org/inclus_en.htm

³ Those two previous reports can be accessed on the Treaty website at: <http://ftp.fao.org/ag/agp/planttreaty/gb3/gb3i15e.pdf>, and <http://ftp.fao.org/ag/agp/planttreaty/gb2/gb2i11e.pdf>.

include distributions of materials within Centres (for example, from a Centre's genebank to its breeding programme). Not including such this latter data should not be understood as suggesting that those transfers are not important. These transfers – from centres' genebanks to their breeding programmes – are an essential part of the development of improved materials that the centres make internationally available in the execution of the CGIAR's mission to promote food security in developing countries. It may be useful for the centres to include information about these transfers in future reports. It is important to note that intra-centre transfers are under the terms and conditions of the SMTA. Transfers of materials between Centres are included in this report.

In addition, it is worth noting the total number of accessions that are currently included in the CGIAR Centre-hosted international PGRFA collections:

CGIAR Centre	Number of Genebank Accessions
AfricaRice	26,098
Bioversity	1,284
CIAT	65,721
CIMMYT	164,326
CIP	16,061
ICARDA	134,741
ICRAF	1,996
ICRISAT	119,613
IITA	27,280
ILRI	19,215
IRRI	117,417
Total	693,752

1. The use of the SMTA by the IARCs for the transfer of PGRFA of Annex 1 and non-Annex 1 crops and forages

The IARCs commenced using the SMTA for PGRFA of Annex 1 materials on 1 January 2007 and for PGRFA of non-Annex 1 materials on 1 February 2008. A copy of the SMTA being used by the IARCs for both Annex 1 and non-Annex 1 material is attached as Appendix C to this report. The form and content of the explanatory footnote follows that communicated to Bioversity International by the Secretariat of the Governing Body on 14 January 2008.

2. Annex 1 materials acquired

During the period from 1 August 2008 to 31 December 2009, 6,764 samples of Annex 1 germplasm were received by the genebanks, and 35,138 were received by breeding programmes for a total of 41,902.

In 2008 and 2009, Centres' genebanks received 2,677 samples from Providers who sent duplicates of recently regenerated, at-risk materials for safety duplication with support from the Global Crop Diversity Trust.

88% of material received by the genebanks came under the SMTA; the rest came with permission to redistribute the material under the SMTA. 43% of the germplasm received by the breeding programmes was received under an SMTA, most of which (over 69%) was received in the form of PGRFA under Development, out of which 8% were received with additional conditions.

3. Annex 1 materials distributed

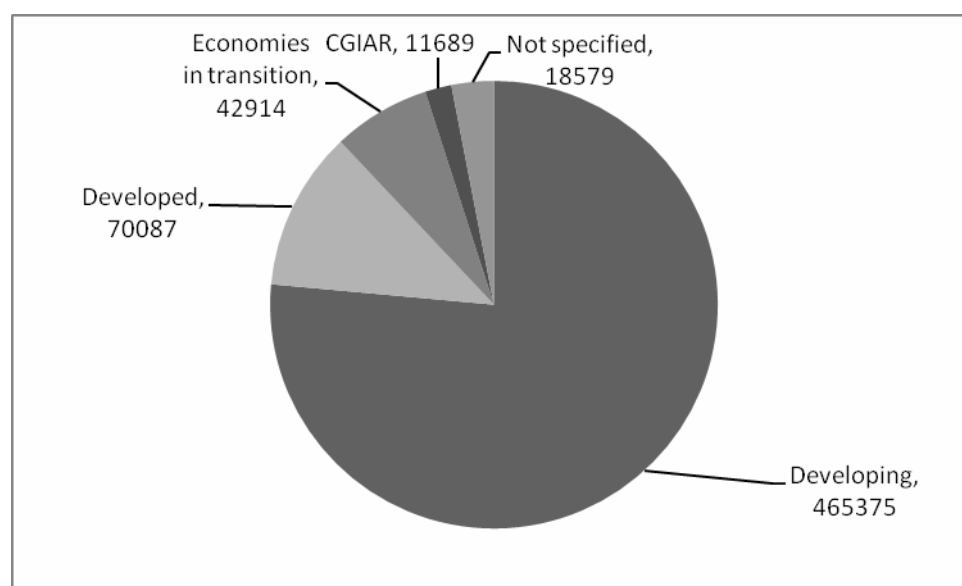
A total of 608,644 samples of Annex 1 PGRFA were distributed under the SMTA. Almost 432,000 samples (71%) were improved material, most of which (over 99%) was distributed by the breeding programmes, as PGRFA under Development, without any additional conditions. (N.B. the breeding programmes distributed almost 110,000 samples as PGRFA.)

Of the 61,139 samples distributed by the genebanks, 94% was unimproved germplasm and 6% was improved material distributed as PGRFA under Development. Again, 99% of those materials were distributed without additional conditions.

The IARCs provided details about the type of country – i.e., developing country, country with economy in transition, developed country – for 97% of the samples distributed: there were some small gaps in reporting from the breeding programmes. Based on those numbers, 79% were sent to developing countries, 7% to countries with economies in transition and 12% to developed countries. 2% were inter-Centre transfers (see pie chart 1 below).

Tables 1-6 in Appendix A provide details about Annex 1 materials acquired and distributed by the genebanks and breeding programmes. They include details about classes of recipients, types of germplasm, etc. Again, more information about these acquisitions and distributions can be found at http://www.itpgrfa.net/International/cgiar_centers_data.

Pie chart 1: Annex 1 distributions.



4. Non-Annex 1 materials acquired

327 samples of non-Annex 1 germplasm were acquired by five Centres. Only one of these samples was acquired by a Centres' breeding programme, the remainder by the genebanks.

5. Non-Annex 1 materials distributed

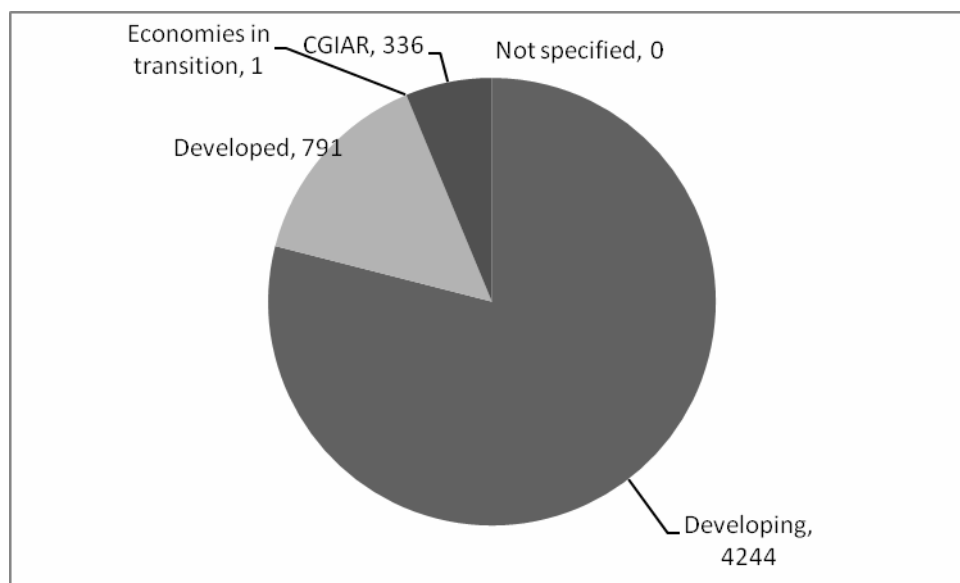
A total of 5,372 samples of non-Annex 1 PGRFA were distributed under the SMTA. Of these, 1,949 (36%) consisted of improved material from the breeding programmes, distributed as PGRFA under Development, without any additional conditions. Of the 3,423 samples distributed by the genebanks, 3,422 consisted of unimproved germplasm, and one of improved material distributed as PGRFA under Development, without any additional conditions.

Of the total number of samples transferred, 4,244 (79%) were sent to developing countries, 791 (14%) to developed countries and 1 (<1%) to countries with economies in transition. Most of the remaining 336, for which distribution was reported (6%), were inter-Centre transfers.

The above figures do not reflect distributions coordinated by the World Agroforestry Centre (ICRAF), and carried out by the National Tree Seed Centres and NARS who have the mandates to distribute germplasm according to national laws. Because of the way that forest tree genetic resources are developed and managed, ICRAF promotes more decentralised ways to procure and disseminate quality seed and seedlings, thus increasing the efficiency of distribution and use and establishing decentralised sources in farmers' landscapes.

Tables 7-12 in Appendix B provide more details about the IARCs' acquisitions and distributions of non-Annex 1 materials.

Pie chart 2: Non-Annex 1 distributions



6. Experience of the Centres with respect to the use of the SMTA

a. Concerns expressed by potential recipients

The first report presented to the Second Session of the Governing Body in 2007 indicated that only three potential recipients rejected the SMTA. The second report indicated no rejections received. Again no reports of rejections were received during the present reporting period. As before, this should be treated with a certain amount of caution, in the sense that potential recipients that initially expressed concerns with the SMTA have not always had those concerns allayed and a number of potential recipients may not be proceeding with completion of orders or making new orders.

The concerns of potential recipients remain essentially those addressed in the second report, but with further elaboration:

- Thresholds for and the duration of obligations to make payments;
- Requirements that records be kept in perpetuity; and
- Agreement clarity.

With one or two notable exceptions, the impression of the Centres continues to be that the SMTA is attracting increasing acceptance by potential recipients as they become more familiar with its terms. The notable exceptions include some large commercial companies with lawyers who will not commit their institutions to the open-ended terms of the SMTA.

It has been reported that farmers in developing countries have expressed concerns about signing the SMTA, as it is a long, complicated legal document, often in languages they don't understand. Furthermore, some Centres have expressed concerns about the number of farmers that would need to be taken through the process of understanding and signing SMTAs to receive materials from the Centres on farmer field days, etc. The Centres and the farmers are concerned about the complexity, efficacy and cost effectiveness of remedial procedures when it comes to addressing

the situation of farmers.

b. Acquisition of new Annex 1 germplasm by Centres

In general, the rate of deposits of new materials into the CGIAR genebanks which the genebanks can make internationally available using the SMTA has remained static both during the 17 months covered in this report and in the three years 2007-2009 inclusive covered by the centres three reports to the Governing Body. Cumulatively, the IARCs are not reporting a significant increase of new initiatives, with national partners, to collect *in situ* materials with the objective of making copies of those materials available through the multilateral system using the SMTA.

c. Views on the use of the SMTA expressed by the Centres

Some of the concerns expressed by the Centres in past reports to the Governing Body have been addressed by the Ad Hoc Advisory Technical Committee on the SMTA and the Multilateral System (the SMTA Committee) and its predecessor, the Meeting of Experts on the SMTA. These include the following:

c.i Definition of "Material" in the SMTA

The Centres have noted the explanatory footnote to Article 6.5.b of the SMTA suggested by the SMTA Committee in the report on its Second Meeting "clarifying that "The material referred to here is the material originally received from the Multilateral System".

The Centres question whether the footnote is really necessary, since Article 6.5.b. refers to the case where the Recipient derives PGRFA under Development from the **Material** received under the SMTA.

c. ii. Transfers of PGRFA as part of a service provision

The Centres have noted the clarification in the first report of the SMTA Committee to the effect that the SMTA would not be the appropriate instrument to use when sending samples of PGRFA to a laboratory solely for the purpose of laboratory analysis or other services on behalf of the Centre, since these are not transfers of PGRFA for use for research, breeding or training, within the meaning of the Treaty. The SMTA Committee further noted that the person transferring the samples would be under an obligation to exercise due diligence to ensure that the service provider did not use the material in ways other than those stipulated in the agreement for those services. Some Centres have pointed out that in some cases governments may themselves prefer that such materials be covered by an SMTA

c. iii. Transfers of material for direct use by farmers for cultivation

The Centres appreciate the legal complexities involved in consideration of this issue and therefore understand the basis of the guidance suggested by the SMTA Committee regarding the distribution of material from the Multilateral System for direct use by farmers. At the same time, however, the Centres are concerned about the practical implications of not being able to pass-on materials received under the SMTA to farmers for direct use, particularly small farmers in

developing countries, who can potentially use such materials to improve their livelihoods. Crop diversity is best conserved and promoted through use. And experience has demonstrated that small farmers in marginal areas in developing countries make considerable use of such materials.

The Centres have noted the recommendations of the SMTA Committee that repatriation of materials to the country that originally supplied them should not be considered as an act of access requiring the use of the SMTA.

c.iv. Reporting schedule and format

The Centres appreciate the guidance given by the Governing Body at its Third Session regarding the form of reporting to the Governing Body and the schedule to be followed. The Centres are starting to make reports as requested. The Centres look forward to the establishment of technological means to automatically generate reports to the Third Party Beneficiary when signing (or clicking) SMTAs.

7. The way in which Centres deal with PGRFA under Development

The Centres are continually developing improved material including breeding lines for the benefit of NARS and farmers throughout the world and particularly in developing countries. Some of the original germplasm from which the improved lines are developed is received from Contracting Parties to the Treaty and some from non-Contracting Parties: some are received under an SMTA and some are received under other instruments. Much of the original material is accessed from the in-trust collections held by the Centres and placed in the Multilateral System through the Agreements signed with the Governing Body of the Treaty in 2006. In all cases the original material is treated by the Centres as having been accessed from the Multilateral System and as being subject to the terms and conditions of the Multilateral System as set out in the SMTA, even where no physical SMTA has been signed by the breeding programme, as for example in the case of material accessed from the in-trust collections.

In cases where the original material was accessed directly from the in-trust collections, the Centres will of course not be able to provide the additional references suggested by the SMTA Committee in its suggested revision of the form of Annex 1 to the SMTA, since the material has not been received under an SMTA. In such cases the Centres would propose to merely state the fact that the Plant Genetic Resources for Food and Agriculture under Development were derived from the collections held by the Centre concerned and placed in the Multilateral System by virtue of the Agreements signed by the Centre with the Governing Body on 16 October 2006.

8. Compliance

The Centres have reported that, so far as they know, there have been no violations of the terms and conditions of SMTAs they have sent out during the reporting period.

Conclusion: The IARC's first three years under the Treaty's framework

The IARCs have now been distributing materials using the SMTA for four years, since 1 January 2007. In the first three of those years, from 1 January 2007 to 31 December 2009, the Centres distributed a total of 1.15 million samples of PGRFA.

Approximately 84 % of the samples were sent to developing countries or countries with economies in transition, 9.5% to developed countries and 6.5% to CGIAR Centres. 18% were sent by the Centres' genebanks, and 82% from the breeding programmes.

List of Appendices and Tables**Appendix A - Annex 1 materials**

Table 1. Annex 1 materials – Acquisition and Distribution of Genebanks and Breeding Programmes together.

Table 2. Annex 1 materials - Acquisition and Distribution of Genebanks only

Table 3. Annex 1 materials - Acquisition and Distribution of Breeding Programmes only

Table 4. Annex 1 materials – Distribution by Recipient country - Genebanks and Breeding Programmes together

Table 5. Annex 1 materials – Distribution by Type of recipient institution - Genebanks and Breeding Programmes together

Table 6. Annex 1 materials – Distribution by Biological status - Genebanks and Breeding Programmes together

Appendix B – Non-Annex 1 materials

Table 7. Non-Annex 1 materials - Acquisition and Distribution of Genebanks and Breeding Programmes together

Table 8. Non-Annex 1 materials - Acquisition and Distribution of Genebanks only

Table 9. Non-Annex 1 materials - Acquisition and Distribution of Breeding Programmes only

Table 10. Non-Annex 1 materials – Distribution by Recipient country - Genebanks and Breeding Programmes together

Table 11. Non-Annex 1 materials - Distribution by Type of recipient institution - Genebanks and Breeding Programmes together

Table 12. Non-Annex 1 materials - Distribution by Biological status -Genebanks and Breeding Programmes together

Appendix C – SMTA

Appendix A - Annex 1 materials

Table 1 - Annex 1 materials – Acquisition and Distribution of Genebanks and Breeding Programmes together - Aug 2008-Dec 2009 (G3)

	Total acquisitions/ Transfers	PGRFA	PGRFA under development	PGRFA under development with additional conditions	Other	Not specified	Total Transfers
AfricaRice	384	8505	0	0	0	0	8505
Bioversity ⁴	8	364	0	24	0	3	391
CIAT ⁵	915	3573	24071	0	9884	0	37528
CIMMYT ⁶	15807	85415	34984	0	0	56	120455
CIP	0	1673	379	25	0	0	2077
ICARDA	16246	20659	290736	0	0	0	311395
ICRAF ⁷	0	4	0	0	0	0	4
ICRISAT	1098	12572	22412	0	0	0	34984
IITA ⁸	384	1168	0	0	0	0	1168
ILRI ⁹	0	207	0	0	0	0	207
IRRI	7060	32697	59233	0	0	0	91930
Total	41902	166837	431815	49	9884	59	608644

⁴ Bioversity- Genebank only. No breeding programme.

⁵ CIAT- Acquisitions excluding bean breeding programme.

⁶ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

⁷ ICRAF- Genebank only. No breeding programme.

⁸ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009. Excluding breeding programme acquisition Aug-Dec 2008.

⁹ ILRI- Genebank only. No breeding programme.

Table 2

Annex 1 materials - Acquisition and Distribution of Genebanks only - Aug 2008-Dec 2009 (G1)

	Total acquisitions	Transfers					Total Transfers
		PGRFA	PGRFA under development	PGRFA under development with additional conditions	Not specified		
AfricaRice	199	239	0	0	0	239	
Bioversity	8	364	0	24	3	391	
CIAT	414	3573	0	0	0	3573	
CIMMYT ¹⁰	813	3305	3606	0	56	6967	
CIP	0	1512	212	25	0	1749	
ICARDA	1592	20659	0	0	0	20659	
ICRAF	0	4	0	0	0	4	
ICRISAT	1098	12572	0	0	0	12572	
IITA	350	1168	0	0	0	1168	
ILRI	0	207	0	0	0	207	
IRRI	2290	13610	0	0	0	13610	
Total	6764	57213	3818	49	59	61139	

¹⁰ CIMMYT- Excluding wheat genebank distribution data Aug-Dec 2008

Table 3**Annex 1 materials - Acquisition and Distribution of Breeding Programmes only - Aug 2008-Dec 2009 (G2)**

	Total acquisitions	Transfers		PGRFA under development with additional conditions	Other	Not specified	Total Transfers
		PGRFA	PGRFA under development				
AfricaRice	185	8266	0	0	0	0	8266
Bioversity ¹¹	0	0	0	0	0	0	0
CIAT ¹²	501	0	24071	0	9884	0	33955
CIMMYT ¹³	14994	82110	31378	0	0	0	113488
CIP	0	161	167	0	0	0	328
ICARDA	14654	0	290736	0	0	0	290736
ICRAF ¹⁴	0	0	0	0	0	0	0
ICRISAT	0	0	22412	0	0	0	22412
IITA ¹⁵	34	0	0	0	0	0	0
ILRI ¹⁶	0	0	0	0	0	0	0
IRRI	4770	19087	59233	0	0	0	78320
Total	35138	109624	427997	0	9884	0	547505

¹¹ Bioversity- Genebank only. No breeding programme.

¹² CIAT- Acquisitions excluding bean breeding programme.

¹³ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008.

¹⁴ ICRAF- Genebank only. No breeding programme.

¹⁵ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009. Excluding breeding acquisition Aug-Dec 2008.

¹⁶ ILRI- Genebank only. No breeding programme.

Table 4**Annex 1 materials –Distribution by Recipient country - Genebanks and Breeding Programmes together - Aug 2008 -Dec 2009 (G4)**

	Developing	Developed	Economies in transition	CGIAR	Not specified	Total Transfers
AfricaRice	6169	1963	0	373	0	8505
Bioversity ¹⁷	254	136	0	0	1	391
CIAT	31970	4439	9	1110	0	37528
CIMMYT ¹⁸	87357	14996	5480	2845	9777	120455
CIP	970	1093	0	14	0	2077
ICARDA	250029	23991	37179	196	0	311395
ICRAF ¹⁹	3	0	0	1	0	4
ICRISAT	19567	3944	0	2672	8801	34984
IITA ²⁰	352	273	6	537	0	1168
ILRI ²¹	197	10	0	0	0	207
IRRI	68507	19242	240	3941	0	91930
Total	465375	70087	42914	11689	18579	608644

¹⁷ Bioversity- Genebank only. No breeding programme.

¹⁸ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

¹⁹ ICRAF- Genebank only. No breeding programme.

²⁰ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009.

²¹ ILRI- Genebank only. No breeding programme.

Table 5

Annex 1 materials – Distribution by Type of recipient institution - Genebanks and Breeding Programmes together - Aug 2008 -Dec 2009 (G5)

	Unknown	CGIAR	Commercial Company	Farmer	Genebank	NARS	NGO	Regional Org.	University	Individual other than farmer	Germplasm Network	Not Applicable	Other	Total Transfers
AfricaRice	0	373	0	0	0	6176	0	0	1956	0	0	0	0	8505
Bioversity ²²	351	0	0	0	0	2	0	0	38	0	0	0	0	391
CIAT	36	1110	3052	76	1004	25815	361	1827	4061	183	0	0	3	37528
CIMMYT ²³	11415	2845	14956	0	2	74865	2	0	16370	0	0	0	0	120455
CIP	278	14	90	22	48	38	1	1368	26	2	190	0	0	2077
ICARDA	0	196	0	0	100	304047	0	20	6940	92	0	0	0	311395
ICRAF ²⁴	0	1	0	0	0	3	0	0	0	0	0	0	0	4
ICRISAT	6811	2672	1060	311	0	10817	5	0	10130	0	0	0	3178	34984
IITA ²⁵	0	537	0	0	0	16	0	0	615	0	0	0	0	1168
ILRI ²⁶	0	0	67	0	0	131	0	0	9	0	0	0	0	207
IRRI	32626	3941	2700	0	0	34015	0	0	18274	374	0	0	0	91930
Total	51517	11689	21925	409	1154	455925	369	3215	58419	651	190	0	3181	608644

²² Bioversity- Genebank only. No breeding programme.

²³ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

²⁴ ICRAF- Genebank only. No breeding programme.

²⁵ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009.

²⁶ ILRI- Genebank only. No breeding programme.

Table 6**Annex 1 materials – Distribution by Biological status - Genebanks and Breeding Programmes together - Aug 2008-Dec 2009 (G6)**

	Wild	Weedy	Traditional cultivar/ Landrace	Breeding/ Research material	Advanced/ Improved material	Other	Not specified	Total Transfers
AfricaRice	37	0	439	0	866	0	7163	8505
Bioversity ²⁷	123	0	241	0	24	0	3	391
CIAT	620	79	2762	33956	0	18	93	37528
CIMMYT ²⁸	130	0	1656	114643	3487	10	529	120455
CIP	280	1	1069	424	301	2	0	2077
ICARDA	2131	40	16433	291439	11	0	1341	311395
ICRAF ²⁹	1	0	3	0	0	0	0	4
ICRISAT	340	0	10117	23488	361	15	663	34984
IITA ³⁰	115	3	759	87	0	0	204	1168
ILRI ³¹	197	0	0	0	10	0	0	207
IRRI	1978	258	4314	1340	965	5	83070	91930
Total	5952	381	37793	465377	6025	50	93066	608644

²⁷ Bioversity- Genebank only. No breeding programme.

²⁸ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

²⁹ ICRAF- Genebank only. No breeding programme.

³⁰ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009.

³¹ ILRI- Genebank only. No breeding programme.

Appendix B – Non-Annex 1 materials

Table 7 - Non-Annex 1 materials - Acquisition and Distribution of Genebanks and Breeding Programmes together - Aug 2008-Dec 2009 (H3)

	Total acquisitions	Transfers			Not specified	Total Transfers
		PGRFA	PGRFA under development	PGRFA under development with additional conditions		
AfricaRice	0	0	0	0	0	0
Bioversity ³²	0	7	0	0	0	7
CIAT	0	353	0	0	0	353
CIMMYT ³³	12	11	1	0	0	12
CIP	15	123	0	0	0	123
ICARDA	28	217	0	0	0	217
ICRAF ³⁴	84	78	0	0	0	78
ICRISAT	188	2007	1949	0	0	3956
IITA ³⁵	0	460	0	0	0	460
ILRI ³⁶	0	166	0	0	0	166
IRRI	0	0	0	0	0	0
Total	327	3422	1950	0	0	5372

³² Bioversity- Genebank only. No breeding programme.

³³ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

³⁴ ICRAF- Genebank only. No breeding programme.

³⁵ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009. Excluding breeding programme acquisition Aug-Dec 2008.

³⁶ ILRI- Genebank only. No breeding programme.

Table 8**Non-Annex 1 materials - Acquisition and Distribution of Genebanks only - Aug 2008-Dec 2009 (H1)**

	Total acquisitions	Transfers			Not specified	Total Transfers
		PGRFA	PGRFA under development	PGRFA under development with additional conditions		
AfricaRice	0	0	0	0	0	0
Bioversity	0	7	0	0	0	7
CIAT	0	353	0	0	0	353
CIMMYT ³⁷	12	11	1	0	0	12
CIP	15	123	0	0	0	123
ICARDA	28	217	0	0	0	217
ICRAF	84	78	0	0	0	78
ICRISAT	187	2007	0	0	0	2007
IITA	0	460	0	0	0	460
ILRI	0	166	0	0	0	166
IRRI	0	0	0	0	0	0
Total	326	3422	1	0	0	3423

³⁷ CIMMYT- Excluding wheat genebank distribution data Aug-Dec 2008.

Table 9**Non-Annex 1 materials - Acquisition and Distribution of Breeding Programmes only - Aug 2008-Dec 2009 (H2)**

	Total acquisitions	Transfers		PGRFA under development with additional conditions	Not specified	Total Transfers
		PGRFA	PGRFA under development			
AfricaRice	0	0	0	0	0	0
Bioversity ³⁸	0	0	0	0	0	0
CIAT	0	0	0	0	0	0
CIMMYT ³⁹	0	0	0	0	0	0
CIP	0	0	0	0	0	0
ICARDA	0	0	0	0	0	0
ICRAF ⁴⁰	0	0	0	0	0	0
ICRISAT	1	0	1949	0	0	1949
IITA ⁴¹	0	0	0	0	0	0
ILRI ⁴²	0	0	0	0	0	0
IRRI	0	0	0	0	0	0
Total	1	0	1949	0	0	1949

³⁸ Bioversity- Genebank only. No breeding programme.

³⁹ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

⁴⁰ ICRAF- Genebank only. No breeding programme.

⁴¹ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009. Excluding breeding programme acquisition Aug-Dec 2008.

⁴² ILRI- Genebank only. No breeding programme.

Table 10**Non-Annex 1 materials – Distribution by Recipient country - Genebanks and Breeding Programmes together - Aug 2008 -Dec 2009 (H4)**

	Developing	Developed	Economies in transition	CGIAR	Not specified	Total Transfers
AfricaRice	0	0	0	0	0	0
Bioversity ⁴³	4	3	0	0	0	7
CIAT	325	28	0	0	0	353
CIMMYT ⁴⁴	5	7	0	0	0	12
CIP	9	108	0	6	0	123
ICARDA	164	52	1	0	0	217
ICRAF ⁴⁵	65	0	0	13	0	78
ICRISAT	3373	570	0	13	0	3956
IITA ⁴⁶	203	12	0	245	0	460
ILRI ⁴⁷	96	11	0	59	0	166
IRRI	0	0	0	0	0	0
Total	4244	791	1	336	0	5372

⁴³ Bioversity- Genebank only. No breeding programme.

⁴⁴ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

⁴⁵ ICRAF- Genebank only. No breeding programme.

⁴⁶ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009.

⁴⁷ ILRI- Genebank only. No breeding programme.

Table 11**Non-Annex 1 materials - Distribution by Type of recipient institution - Genebanks and Breeding Programmes together - Aug 2008 -Dec 2009 (H5)**

	Unknown	CGIAR	Commercial Company	Farmer	Genebank	NARS	NGO	Regional Org.	University	Individual farmer other than	Germplasm Network	Not Applicable	Other	Total Transfers
AfricaRice	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioversity ⁴⁸	5	0	0	0	0	0	0	0	2	0	0	0	0	7
CIAT	0	0	11	146	0	14	0	0	134	47	0	0	1	353
CIMMYT ⁴⁹	1	0	0	0	5	5	0	0	1	0	0	0	0	12
CIP	0	6	0	0	2	2	4	9	0	8	92	0	0	123
ICARDA	0	0	2	0	0	82	0	85	48	0	0	0	0	217
ICRAF ⁵⁰	0	13	0	0	23	25	1	7	0	9	0	0	0	78
ICRISAT	0	13	34	70	0	1670	0	0	1523	0	0	0	646	3956
IITA ⁵¹	0	245	0	0	0	18	0	0	197	0	0	0	0	460
ILRI ⁵²	0	59	0	0	0	93	0	0	14	0	0	0	0	166
IRRI	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	336	47	216	30	1909	5	101	1919	64	92	0	647	5372

⁴⁸ Bioversity- Genebank only. No breeding programme.⁴⁹ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.⁵⁰ ICRAF- Genebank only. No breeding programme.⁵¹ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009.⁵² ILRI- Genebank only. No breeding programme.

Table 12**Non-Annex 1 materials - Distribution by Biological status -Genebanks and Breeding Programmes together - Aug 2008-Dec 2009 (H6)**

	Wild	Weedy	Traditional cultivar/ Landrace	Breeding/ Research material	Advanced/ Improved material	Other	Not specified	Total Transfers
AfricaRice		0	0	0	0	0	0	0
Bioversity ⁵³		7	0	0	0	0	0	7
CIAT		1	0	0	0	0	352	353
CIMMYT ⁵⁴		12	0	0	0	0	0	12
CIP		0	0	123	0	0	0	123
ICARDA		182	11	19	0	0	5	217
ICRAF ⁵⁵		30	0	23	18	5	2	78
ICRISAT		32	0	1235	2248	169	130	3956
IITA ⁵⁶		121	0	0	4	0	335	460
ILRI ⁵⁷		97	0	0	0	69	0	166
IRRI		0	0	0	0	0	0	0
Total		482	11	1400	2270	243	130	5372

⁵³ Bioversity- Genebank only. No breeding programme.

⁵⁴ CIMMYT- Excluding maize and wheat breeding programme distribution data Aug-Dec 2008. Excluding wheat genebank distribution data Aug-Dec 2008.

⁵⁵ ICRAF- Genebank only. No breeding programme.

⁵⁶ IITA- Excluding breeding programme distribution data Aug 2008-Dec 2009.

⁵⁷ ILRI- Genebank only. No breeding programme.

Appendix C – SMTA

The text of the SMTA being used by the CGIAR Centres for both Annex 1 and non-Annex 1 Material is available at:

- SMTA English – http://www.sgrp.cgiar.org/sites/default/files/SMTA_English_footnote.pdf
- SMTA French – http://www.sgrp.cgiar.org/sites/default/files/SMTA_French_footnote.pdf
- SMTA Spanish – http://www.sgrp.cgiar.org/sites/default/files/SMTA_Spanish_footnote.pdf
- SMTA Arabic – http://www.sgrp.cgiar.org/sites/default/files/SMTA_Arabic_footnote.pdf
- SMTA Chinese – http://www.sgrp.cgiar.org/sites/default/files/SMTA_Chinese_footnote.pdf
- SMTA Russian – http://www.sgrp.cgiar.org/sites/default/files/SMTA_Russian_footnote.pdf

