Brazil, Canada and South Africa bullish on agbiotech

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Transgenic crop plantings in developing countries surpassed those in industrial nations, with the former growing 52% of the world's transgenic varieties. Although the United States dominates overall, transgenic acreage in Brazil, Canada and South Africa continued

Global area by transgenic trait

Growth of herbicide-tolerant crops surpassed that of those with herbicide/insect-resistant stacked traits.

Source: International Service for the Acquisition of Agri-Biotech Applications.

Global area of transgenic crops by country

Transgenic acreage in South Africa took off last year; plantings continued double-digit growth in Brazil and Canada.

Source: International Service for the Acquisition of Agri-Biotech Applications.

EU transgenic crop field trials

EU field trials are becoming an endangered species, down to 51.

Source: European Commission Joint Research Centre; <http://gmoinfo.jrc.ec.europa.eu/>.

double-digit growth. Elsewhere, Sudan and Cuba planted their first transgenic crops (*Bt* cotton and *Bt* maize, respectively). Europe continues to wind down its field trials; Germany and Sweden withdrew the low-starch Amflora transgenic potato from the market.

Historical global area and value of transgenic crops

Since 1996, there has been a 100-fold increase in global hectareage to 170.3 million hectares.

Source: International Service for the Acquisition of Agri-Biotech Applications. Value data are explicitly from seeds and licensing revenue rather than from 'crops' themselves.

Transgenic crop adoption rate in the US

Canola adoption grew most to 93%; transgenic maize, soybean, cotton and sugar beet each represent >90% of total crop.

Source: International Service for the Acquisition of Agri-Biotech Applications; National Agricultural Statistics Service.

Selected novel transgenic crop/traits under USDA assessment

Crop	Company	Event/trait	Stage
Maize	Dow	DAS-40278-9 <i>Zea mays</i> encodes an aryloxyalkanoate dioxygenase 1 enzyme that inactivates herbicides of the aryloxyalkanoate family.	Preliminary assessment
Apple	Okanagan	Artic/GD743 and GS784 <i>Malus x domestica</i> events produced by <i>Agrobacterium tumefaciens</i> transformation of a polyphenol oxidase suppression sequence derived from apple that prevents browning on exposure of fruit to air.	Pending petition
Eucalyptus	Arborgen	427/435 <i>Eucalyptus grandis</i> x <i>Eucalyptus urophylla</i> hybrid expressing the C-repeat binding factor 2 gene from <i>Arabidopsis</i> to confer freeze tolerance.	Petition

Source: http://www.aphis.usda.gov/biotechnology/petitions_table_pending.shtml.

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