



## mvj mst¶C

emYwR`K evtqvtUK/wRGg ktm`i wek|cwi w`wZ 2011  
By Clive James, Founder and Chair of ISAAA

wetkji 1 wejy qb `wi`a/ ¶lav\_ gvb¶fi i c¶Z DrmMKZ

2011 mvj evtqvtUK km` Pvl A¶bK tewk „i“Zi:cvl qvq Gi Pvl ewx tctqtQ c¶q 8% hvi Kvi ¶b 2010 mvj i Zj bvq 2011 mvj evtqvtUK km` Pvl i Rwg i cwi gyV 160 wgwj qb tn±ti cwi bZ ntqtQ hv 2010 mvj wQj 148 wgwj qb tn±i | `xN¶15 eQti evtqvtUK ktm`i Pvl Lp `Z ewx tctqtQ|

1996 mvj t\_¶K GLb chS-evtqvtUK km` Pvl 94% ewx tctqtQ| 1996 mvj wQj 1.7 wgwj qb tn±i hv eZ¶v¶b 2011 mvj 160 wgwj qb tn±ti DbwZ ntqtQ| mgmvgwqKKvtj evtqvtUK km` me¶¶¶¶¶ mKtj i Kv¶Q M¶b¶thvM` km` wntmte wetepZ ntqtQ| 1996 mvj t\_¶K 2011 mvj chS-me¶¶¶¶¶ tewk th welqw „i“ZcY¶ wntmte wetepZ ntqtQ Zv nj 29wU t`¶ki 100 wgwj qb K.I.K ¶xv¶w¶s-M¶b¶bi gva¶g evtqvtUK km` avivev¶w¶Kfvte Pvl Kti Avm¶Qb| Gi c¶v¶b KviY, K.I.Kiv GB c¶h¶¶¶ i Dci wek¶m ¶vcb Kti¶Qb| evtqvtUK km` Pvl i d¶j w¶f¶¶thvM` Ges ch¶¶ km` Drcv` b m¶e ntqtQ G¶Z cwi tek ev¶e c¶w¶Z¶Z Avgv¶` i Av\_¶ mvgwRK Db¶q b m¶e ntqtQ| wetkji evtqvtUK dmj Pvl Kvix 29 wU t`¶ki g¶a` 19wU Db¶qbxj Ges 10wU wk¶¶i v¶vZ t`k|

2011 mvj ti KW¶cwi gvb 16.7 wgwj qb K.I.K evtqvtUK km` Pvl Kti¶Qb hv 2010 mvj i Zj bvq 1.3 wgwj qb tewk| ¶hme K.I.K evtqvtUK km` Pvl Kti¶Q Zv¶` i g¶a` 90% A\_ev 15 wgwj qb `wi`a Ges c¶w¶SK| G¶` i g¶a` Pxtbi 7 wgwj qb Ges fvi ¶Zi 7 wgwj qb `wi`a K.I.K 14.5 wgwj qb tn±i Rwg¶Z wewU Zj v Pvl Kti¶Qb|

2011 mvj Db¶qbxj t`¶k tgvU evtqvtUK ktm`i 50% Gi l tewk Pvl Kti¶Q G¶Z Kti Zviv 2012 mvj wk¶¶i v¶vZ t`k „tjv¶K A\_¶wZKfvte Qwo¶q hvte| 2011 mvj Db¶qbxj t`¶k evtqvtUK ktm`i Pvl ev` wk¶¶i v¶vZ t`¶ki Zj bvq wU\_b A\_¶ thLv¶b Db¶qbxj t`¶k 11% A\_ev 8.2 wgwj qb ¶mLv¶b wk¶¶i v¶vZ t`¶k ntqtQ 5% A\_ev 3.8 wgwj qb tn±i |

m¶c¶Z K.I.Kiv GKw¶K ¶ewk¶¶i dmj c¶` Ki¶Q Ges 12wU t`¶k 2011 mvj `¶ A\_ev wZbwU ¶ewk¶¶ m¶ub¶e evtqvtUK km` Pvl Kti¶Qb|

G¶kqv¶Z fvi Z Ges Pxb; j`wU¶ Av¶gwi Kv¶Z e¶wRj Ges Av¶R¶Uv; Ges ¶¶¶b Av¶w¶Kv evtqvtUK km` Pvl AM¶x fvgKvq i¶qtQ| j ¶¶bxq th, wetkji 40% gvb| GB cv¶wU t`¶k B emevm Kti |

e¶wRj cici wZb eQi a¶iB evtqvtUK ktm`i Pvl DE¶iv¶Ei ewx cv¶¶Q hvi Kvi ¶Y 2010 mvj i Zj bvq 20% ewx tctq eZ¶v¶b Pvl KZ Rwg 4.9 wgwj qb tn±ti tct¶¶Q| Zviv 2011 mvj 6wU bZb evtqvtUK km` Drcv` b Kti¶Q Gi g¶a` fivBivm c¶Z¶ivax mxg hv EMBRAPA (Brazilian Agricultural Research Corporation) Drcv` b Kti¶Q Ges H t`¶ki me¶¶i i RbM¶ GwU M¶b Kti¶Q|

evtqvtUK ktm`i AM¶x t`k wntmte L¶vZ Av¶gwi Kv tgvU evtqvtUK ktm`i 90% Gi l tewk Pvl Kti hv¶` i Pvl KZ Rwg i cwi gyV 69.0 wgwj qb tn±i | Zviv Av¶w¶v¶v¶K c¶Z¶ivax RR¶Alfalfa 200,000 tn±i Rwg¶Z Pvl Kti¶Q| GQov¶ 475,000 tn±i Rwg¶Z Av¶w¶v¶v¶K c¶Z¶ivax RR¶ Sugarbeet, fivBivm c¶Z¶ivax tct¶c (PRSV Papaya) Pvl Kti¶Q hv Rvcv¶b Ab¶gv` b tct¶¶Q|

fvi Z weU Zj v Pvl i 10 eQi cYKti tQ Ges Pvl vaxb Rwg 10 wgwj qb tn±i Dbz ntqtQ | fvi tZ mefgvU 12.1 wgwj qb tn±i Rwg tZ Zj v Pvl i gta 88% weU Zj v Ges Gi Rwg i cwi gvY 10.6 wgwj qb tn±i | Pxtb 7 wgwj qb ¶iz<sup>a</sup> K.I.K (Mto 0.5 tn±i Kti) mefgvU 3.9 wgwj qb tn±i Rwg tZ weU Zj vi Pvl Kti tQ hvi MhtYi nvi 71.5% | 2013-14 mtj Avkv Kiv nt<sup>o</sup>Q wclwj cvBtb tMvti b ivBm ewYwR<sup>o</sup> Kfvte Abtgv<sup>o</sup> b cvte Ges Pxl GKB mgta Pvl i i<sup>o</sup> Kite |

tgw tKv 161,500 tn±i Rwg tZ evtqtUK Zj v Pvl Kti tQ hv<sup>o</sup> i Mhtbi nvi 87% | 2010 mtj thLvth Zj v Pvl i Rwg i cwi gvY wQj 58,000 tn±i tmLvth 2011 mtj Zv 178% ewx tctqtQ | AwcdKvtZl weU km<sup>o</sup> Pvl axti axti evotQ Ges v¶l AvcdKv, evi wKbv d<sup>o</sup>vtmv, wgi c¶i cwi gvY weU km<sup>o</sup> Pvl Kti tQ | GQvov tKwbqv, bvBtRwi qv Ges DMvUvtZl Gi cix¶vgj K Pvl i i<sup>o</sup> ntqtQ |

6wU BDti vcxq BDwbqbf<sup>3</sup> t<sup>o</sup> k 114,490 tn±i Rwg tZ weU fÆv Pvl Kti tQ hv 2010 mtj i Zj bvq 26% ewx tewk Ges Ab<sup>o</sup> ¶wU t<sup>o</sup> k Dbz Lv<sup>o</sup> gvb m<sup>o</sup>ubwR Gg Avj yAmflora Pvl Kti tQ |

1996 t<sup>o</sup> tK 2010 mvj chS-evtqtUK km<sup>o</sup> Lv<sup>o</sup> wbi vcvEvi t¶t¶ wbf¶thvM<sup>o</sup> Zv Ges cwi tetki Rb<sup>o</sup> wetkl DcKvix hvi Kvi tb Drcv<sup>o</sup> b tetotQ AtbK Ges Gi gj<sup>o</sup> c¶q 78.4 wej qb BDGm Wj vi | evj vBvkk e<sup>o</sup>envi Ktg tQ c¶q 440 wgwj qb tKwR hv cwi ek evUe wntmte ¶KwZ tctqtQ | i agv¶ Kg evj vBvkk e<sup>o</sup>envi i Kvi tb 2010 mtj 19 wej qb tKwR Kg Kve¶ WvB A<sup>o</sup> vBW wMz ntqtQ hv iv<sup>o</sup> t<sup>o</sup> tK 9 wgwj qtb i I tewk Mvvo mwi tq tbqvi mgvb DcKvix | evtqtUK Land Saving Technology wntmte cwi wPZ A<sup>o</sup> ¶ A<sup>o</sup> RvqMvq Awak dmj dj vq | Gfvte 2011 mtj 91 wgwj qb tn±i Rwg ewPta Rxe%wP<sup>o</sup> Zv msi ¶Y Kti tQ | wetk¶ 15.0 wgwj qb ¶iz<sup>a</sup> K.I.K i w<sup>o</sup> Zv wbi mb Kti tQ | me¶ K wetePbvq evtqtUK ktm<sup>o</sup> i c¶qvRb Ab<sup>o</sup> ¶Kv<sup>o</sup> Zte GwU gtn¶l a bq |

Dbqbkxj t<sup>o</sup> k Ges BDti vcxq BDwbqtb h<sup>o</sup> vh<sup>o</sup> weAvbwfivEK Ges mgq/A<sup>o</sup> Dc<sup>o</sup> thvMx wqsb c<sup>o</sup> wZ c¶qvRb hv tZ wRGg km<sup>o</sup> Abtgv<sup>o</sup> b mnRZi nq |

2011 mtj wek<sup>o</sup> vcx evtqtUK dmtj i extRi gj<sup>o</sup> 13 wej qb BDGm Wj vi Ges vbv<sup>o</sup> vi ktm<sup>o</sup> i gj<sup>o</sup> 160 wej qb BDGm Wj vti i tewk |

mnkta Dbqbj ¶ MDG cYZvi eQi 2015 Ges cieZ¶Z evtqtUK dmtj i fivel<sup>o</sup> r LpB Avkvco I Abtco Yv vqK | G mgta gta<sup>o</sup> wetk¶ Avtiv 10 wU i I tewk t<sup>o</sup> k evtqtUK km<sup>o</sup> Pvl i i<sup>o</sup> Kite | 2013 mtj DEi Avtgi KvtZ c¶g ¶liv c¶Ztiva m<sup>o</sup>ubwÆv Abtgv<sup>o</sup> b tctZ hv<sup>o</sup>Q Ges 2017 mtj AwcdKvtZ | 2013-14 mtj wclwj cvBtb tMvti b avtbi Abtgv<sup>o</sup> b tctZ hv<sup>o</sup>Q | Pxtb 30 wgwj qb tn±i i I tewk Rwg tZ weU fÆv Pvl Kti tQ Ges Gici weU avb | evtqtUK km<sup>o</sup> w<sup>o</sup> Zv A¶a¶K Kwgtq 2015 mtj i gta<sup>o</sup> wgwj wqvg twfj vctgU tMj AR¶b wetkl fvgKv ivLte GwUB mKtj i Avkvev | mi Kvix-temi Kvix Ask<sup>o</sup> w<sup>o</sup> Zj thgb wej I tgwj Uv tMUm dvD<sup>o</sup> tUktbi mnvqZvq AwcdKvq Liv mnwov RvtZi fÆvi Pvl mn Ab<sup>o</sup> vb<sup>o</sup> wqvgK G mvctj i mnvqK wntmte fvgKv ivLte |

ISAAA bRi w<sup>o</sup> tq AvmtQ Avb weZiY, bZb ch<sup>o</sup> Ges c¶Z fvevb Ask<sup>o</sup> w<sup>o</sup> Zj Troika Gi w<sup>o</sup> tK hv 2011 mtj wR-20 mt<sup>o</sup> sj tb tMUm dvD<sup>o</sup> tUktbi gj<sup>o</sup> c¶ ve wQj |

Detailed information is provided in ISAAA Brief 43 "Global Status of Commercialized Biotech/GM Crops: 2011", authored by Clive James. For further information, please visit <http://www.isaaa.org> or contact ISAAA SEAsiaCenter at +63 49 536 7216, or email to [info@isaaa.org](mailto:info@isaaa.org)