



evtqvUK dmtj i eZgvb Ae`v

ISAAA Gi "dmj `Re chv` i vek;Avb tk>` a KZK i vP Dbqbkxj t`tki Kul-%Re chv` D`v`bi vek;cvw`wzi mvi vsk|

gvP`09, 2007

G msL`vi wktivbvq

Lei

vek; RvwZmsN tNwl Z AvsRwZK evtqvdtaj tdvlg - Nvl cRvwZtZ A½msMvb wRb wPwYz Ki tY fAvi e`envi

Avtgvi Kv - USDA-APHIS Clearfield CL131 avb exR veZiY AvUtK w`tqtQ
- hY i vtoP RvZxq msev`cT`_tj vi tPtq AvAij K msev`cT`_tj vB Kul evtqvUKtbvj wR m`utK`euk ci`_ui weti vax` w`fwi/2 cDvi Kti
- kLvi wWGbGtZ teuj mRxeZv thvMKiY

BDti vc - wRb chv` i Dci`_i`ZcY`ccvi Abjgv` b - BDti vtc MteIK KZK cKwKZ wR Gg Gi gvb cwi eZB
- BDti vxcq Kvgkb mnve`yb Gi Dci`_y`fwb A`v± tNvl bv

MteI Yv

- UtgtUvtZ tdtj U evovt bvi Rb` evtqvBwAbqwi s - DcKvi x Rxe`wP`T` wvU GmCv`U tKvb >` cFve tbB

veAwB

- veAvbxt` i Rb` tbUl qwK`P`I tqemvBU - 2q BwC I evtqv I qvK`f`c

`Sji Ke`f`_vjj

- AvwKvq Kul Dbqtb IFPRIGi tbqv tKSkj MZ AMteP` w`el qmgn

Lei

vek;

RvwZmsN tNwl Z AvsRwZK evtqvdtaj tdvlg

m`cOZ RvwZmsN tNwl Z evtqvdtaj tdvlg GKwU AvsRwZK cKf` Mtb Kiv ntqtQ hvi gj Df`k` evtqvdtaj i Dchv` Drcv` b I e`envi | GtZ msukó t` kmgn ntj v- e`wRj , BDti vxcq BDwqob, hY i vtoP fvi Z Ges Pxb| cKf` i Df`k` ntj v- Rvj vbx cwi etZ`KwU e`e`vcvvi gva`tg t`k mgatK mnv`h` Kiv| hY i vtoP tdvlg Abjv`ti cwi ewZ` Rvj vbx evRvi m`oi gva`tg DbZ I Dbqbkxj t`k`_tj vi Av`_fvgwRK I cwi tetki Dbqob mvab Kiv| w`Zwi Z: <http://biopact.com/2007/03/rationale-behind-international-biofuels.html>

Nvm cRvwZtZ A½msMvb wRb wPwYz Ki tY fAvi e`envi

Esteban Bortiri and Sarah Hake Gi gtZ wRtbvtg Synteny Av`ev Homology vKvq fAev I Ab`vb` gvtmi Dv`M`C A½msMvb cDqvRbxq wRb wPwYz Kiv hvq| hY i vtoP cvU wRb G`_tckb tmUvti i Mtel Kt` i gtZ, GB mKj Mtel Yv t`f`f` fAev GKwU Av` k`cRwZ Kvi Y Gi cYugAjxi Mvb wbbvq GK, Awbbvq tgwi tog Ovi v cFweZ nq| GQiov fAev tRtbwUK wDtiUJ m`v` A`tk teuk| w`Zwi Z: <http://jxb.oxfordjournals.org/cgi/content/abstract/erm015v1>

Avtgvi Kv

USDA-APHIS Clearfield CL131 avb exR veZiY AvUtK w`tqtQ

i b wW n`v`fb, APHIS Gi cKvmK, m`cOZ GK weewZtZ etj tOb, APHIS Clearfield CL131 avb exR AvUtK w`tqtQ| ci x`f`vq t` Lv tMtQ j` v`vbi GB Pvtj Lg Aí cwi gvb tRtbwUK Dcv`b vKvi m`cOv AvtQ| ZvB GwUtK evRvi Riv Kivt bvi Abjgv` b cvl qv hvq w| GB w`el qwU Rwbvq APHIS BwZgta`B me exR veZiY Kvi x` i GKwU Ri`ix evZ`cW/tqtQ| GtZ ej v ntqtQ, GB emtS`_thme Clearfield CL131 avb ti vcb Kivi K_vwQj Zv Aek`B eU ivLtz nte| AvtM APHIS ci x`f`v Ki te, H avtb Avi I evowZ tRtbwUK Dcv`vb AvtQ wK bv| wW n`v`fb etj b, APHIS GB Df`wM wbt`Q GB Kvi tY th, Clearfield CL131 avtb th tRtbwUK Dcv`vb cvl qv tMtQ Zv wqsb`g Kiv Ri`ix ntZ cwti Ges tm`f`f` avbU evRvi Riv Ki tYi Abjgv` b cvte bv| Dfj L` avbU tRtbwUK`ij BwAbqwi s c`wZtZ D`v`wEz nqub| w`Zwi Z: http://www.aphis.usda.gov/newsroom/content/2007/03/ge_riceseed_statement.shtml

hY i vtoP RvZxq msev`cT`_tj vi tPtq AvAij K msev`cT`_tj vB Kul evtqvUKtbvj wR m`utK`euk ci`_ui weti vax` w`fwi/2 cDvi Kti

hY i vtoP wKoyKoyGj vKvq AvAij K ch`q Kul evtqvUKtbvj wR GLbI GKwU weZwKZ w`el q| AvAij K msev`cT`_tj v GB w`el tq tKgb Mí dwt` Zv tevSvi Rb` K`v`_wib mvI wj GKwU Abjv`vbx Rixc Pvj vb| GwU tUtbw w`k`e`_v`j`_tq Zvi Mtel Yv Kv`Ri GKwU Ask wQj | GRb` mvI jx wgtm`Si xi msev`cT`_tj vZ Kul evtqvUKtbvj wR m`utK`cKwKZ 1,134 wU tj Lv Ges DEi K`v`j`_tdvbw`v`i msev`cT`_tj cKwKZ 508 wU tj Lv tetQ tbb| G mg`_f`_Lv 1992 t`_tK 2004 mv`j` i gta` Hme cw` Kvq cKwKZ nq| GB tj Lv`_tj`_vZ`_w`v`_w`K`_I`qv`W`P`_Dcv`_w`Z, Common Phrase, One, Zt`_i`_Drm Ges Zv`_i`_gta` m`utK`P` w`f`w`E`t`Z w`et`k`_Y`_Kiv`_nq| dj vdtj t` Lv hvq`_v`bxq`_msev`cT`_tj`_v`_tR`tbw`UK`_Bw`Abqwi`_s`_m`utK`_w`P`_I`_RwUj`_avi`_Yv`_Qov`_t`_Q|

w`Zwi Z: <http://sex.sagepub.com/cgi/content/abstract/28/3/314>

Kivi WGbGtZ nej mRxeZvthMKiY

R'vK ÷ ve bigK GKRb DvMÇtKšj ZÉje, wZwb hÿ i vtó? Kul wefvMti Kul Mtel Yv tKt` klvZ tenk mYÜ thvM Ki tZ tPóv Ki tQ| KlvZ t f tRtbiUK teR Gi Kvi tB GuU mnRB DvMÇt i wefvbMRevbyGes ti vM GUtK Avµvš-Ki tZ cvti | Kivi WGbG-tZ wKQyeb`enkó` Abgdek Kivb Ges wZwb mdj nb| tmlv tgnv ÷ vg evBU (KvÜ Sj mvtbv), Kul Ges wKQyfvBivm Gi mnbkxj | GQvov eb` ZigR, kivi mgtMvI xq MvQ Gi gta` wKQyov mnbkxj Ges Ab'vb` enkó`i Rxb mgn j ¶i Kti tQb|

we`Zwi Z: <http://www.ars.usda.gov/is/pr/2007/070302.htm>

BDti vc

wRb chÿ i Dci i`ZpYccvi Abg`b

Rvg`b tdWtj j K`metbU MZ tde`qvi xZ` Rechÿ wbtq wKQ i`ZpY` Dì vcb Kti b- Kul gñšgwi t`

- DvMÇ`Rechÿ i mxgvbv evovtbi Mtel Yv Zi wšZ Ki tZ nte|
- chÿ MZ Ges chÿ wenxb Drcv`Z`e` Mñtb` faxZv t` lqv|
- wRGg f`Ev Pvl ver`, 150 wguvi` tZiti tL çvb MvQ Ges wRGg km` Pvl Kivi c`qvRb coje fweI tZ|
- K.I.tKiv mWk Pvl ver` c`xwZ Abg`b Kti wRGg km` dj vtbvi dtj Gt` i A`wZK ¶wZ t`tK j vNe cvte|

we`Zwi Z: <http://www.gmo-compass.org/eng/home/>

BDti vc Mtel K KZK cKwkZ wRGg Gi gvb cwi eZB

wRGg km` Øviv BDti vc ¶wZKi Ges Dbqbkxj t`tki cwi eZB mvab m`e ntqtQ| eZg`vb wKQycw j mmi Kvi tY mi Kvi x t¶t` evtqvUK Gi wKQy ¶wZ ntj l tmlv`b *****eZg`vb wetk`evtqvUK t`vj wRi Øviv Kul tZ j vtfi cwi gvb eCj cwi gvb teo tM tQ| ISAAA Gi tPqvi g`vb Dr. Clive James G K_v etj tQb| wZwb etj b GKB RngtZ tn±i c`Z tenk dj b Ges w`_ b Drcv` b ebvAj tK i ¶v Ki tZ cvti | Kvi Y Awak dmj dj vtbvi Rb` gvby Abei Z ebvAj aYsl Ki tQ|

we`Zwi Z: **Email: maha@bic.org.my**

mnve`vb Gi t¶t` BDti vcxq Kugkb` wfvb A`v± tNvl Yv Kti tQ

tRtbiUK fivte cwi ewZŠ DvMÇ Ges Ab'vb` Kul R DvMÇ i mnve`vbi t¶t` BDti vcxq Kugkb` wfvb A`v± Gi GKwU Lmov tNvl Yvi Rb` cvvrbv ntqtQ| GtZ t`vfvbqvq wefvbei Kg Lvgrv c`xwZ GKt` Pvj y_vKv wbi l × Kiv ntqtQ| GQvov Ggb wKQyc`µqv MvB Kti tQ hvZ Dfç cKvi DvMÇ i mnve`v l wbi`Z nq Avevi` N`bvRwbZ Kvi tY tRtbiUK fivte cwi ewZŠ DvMÇ Ab'vb`` fe` wgtel bv| we`Zwi Z: http://www.coextra.eu/country_reports/news811.html

Mtel Yv

UtgtUvZ tdtvU evovtbi Rb` evtqvBw`bqwi s

tdtvU U hv wFwmgb we-9 wntmetel cwi wPZ, Gi Afivte gvbtj i AtbK ti vM nq thgb, çheRwbZ Rulj Zv, i`i b`Zv, KwvP fv`j vi wWRR Ges wefvbM Kg K`Yvi | GB tdtvU U Gi` i`Zi Kvi tB, wetk l Z Mf`Zx gñj v` i t¶t`, wetk l AtbK t` KB tdtvU Øviv Lv` mg` Ki Y KgµPx nvtZ wbtqtQ| tdlwi Ww wek`e` vj tqi Mtel Kiv tguvej K Bw`bqwi s Gi gva`tg gvBµwbDwUq`U mg` UtgtUv DvMÇtbi GKwU Dcvq tei Kti tQb| ti wkl wlvR wW j v Mvi Rv Mlc GKwU UY`tRwbK UtgtUv tei Kti tQ hv c`Zevi` v`fweK cwi gvb Mñtbi dtj GKRb cY`eq` gvbtj i tdtvU U Pwv`v c`j vcv` c`Y nte| GB UtgtUv cvKvi mvt` mvt` GtZ tdtvU U ew` cvq| Mtel Kiv Avi l etj b MtQ cvKv dj Ges Bw`j b w` tq cvKv`bv dtj tdtvU U gv` c`q mgvb` v`K| Mtel Kiv Gfvte UtgtUvZ wRb UY`dvi Kti tdtvU U mg` UtgtUv DvMÇeb Kti t` Lvjt b| GKB fivte Ab'vb` dmj l tdtvU U mg` Kiv thtZ cvti | we`Zwi Z: <http://www.pnas.org/cgi/doi/10.1073/pnas.0700409104>

DcKvix Rxe`wPÎ weU te` tbi tKvb g` çfve tbB

GKwU UY`tRwbK te`_b hv Bt toxin Cry 3 Bb` Zix Kti, Gi ZY`fvRt` i c`Z ev cZ`wKvix` i c`Z tKvb g` çfve tbB| mj v`fUi Avicqv` w`¶b Gñkqvq wZb eQi at`i t` tLb th, UY`tRwbK j vBb 9-8 Ges bbUY`tRwbK t`_b Dfç ntZB Avt`_cWm c`RwZi cZ`vivi eskeµx Ki tQ| GB` B j vBtbi gta` Zj bv Kivi Rb` Avicqv Mlc c`ZeQi OquU 200 wguvi` 2 cU`e`envi Kti b| Zviv eUmea wetk l`yi gva`tg t` tLb th, UY`tRwbK Ges bbUY`tRwbK dmj Gj vKvq GKB i Kg c`RwZmg`ni Rxe`wPÎ i mgvtek nt`Q| cwi tetki c`Z wRGg dmtj i tKvb çgwK AvtQ wKbv GB weZ`K` c`i`x¶lvq c`B dj vdl GKwU c`mw`zK Z` w` t`Q|

we`Zwi Z: <http://docserv.esa.catchword.org/deliver/cw/pdf/esa/freepdfs/0046225/x/v36nls28.pdf>

†NvI Yv

veÁvbx` i Rb` tbUI qvK©I tqemvBU

The Nature Publishing Group (NPG) mæcúZ veÁvbx` i Rb` “Nature Network” bvtg GKwU wckI tqemvBW Pj y Kti tq | ve` Zwi Z: http://www.nature.com/press_releases/Nature_Network_launches.pdf

wúZxq BwC I evtqv I qvK©C

BwC I evtqv, BDti vcxq BDwbqtb i l ô tdgl qvK©Móg (FP6) Øi v A_@qbKZ GKwU AvšRwZK cKí , 15-17 tg, 2007 G Gt_Y, MótM KwU I qvK©tci AvtqvRb Kti hvi cúZcv` mel q wúJ ebR Mvúcvj v ev dmj ntZ wRtív I tqó evtqwi_vBbwi R Gi gva`tg eúnea`è` Drcv` b GB I qvK©tci gj Avtj vP` mel q wúJ wRtív I tqó wúW÷K e`envi Kti Ggb GKwU evtqwi dvBbwi R`Zix Kiv hv dmj ntZ AtbK`è` `Zix Kite Ges evtqvKwqK`vj I evtqvqvUwi qvtj i Rb` bZb mshvM mjo Kti wte | ve` Zwi Z: <http://www.epobio.net/workshop0705.htm>

~šji Ke`i`vj j

AwdKvq KwI Dbqtb IFPRI Gi tbqv tKškj MZ AMóeteP` mel qmgn

IFPRI Gi Mtel Yv cúZte` b bæf 150 hvi wktív vbg ce`Ges ga` AwdKvq KwI Dbqtb tKškj MZ AMóaKvi mgn wi tcvUú ce` ga` AwdKvi KwI Dbqtb AMóeteP` mel qmgn Ges mewbtqvM cú v wbtq Ges ewä ev` wí` šviti i cúZ Gmtei cöve wbtq Avtj vPbv Kti | GQvov wi tcvUú A` Gj Kvi Dbqtb msµvš`æbv cöPóvi Djj L Kti tq thgb- tKvb Gj vKvi Pwv`v c`tYi Rb` KwI Drcv` b epx, RvZxq Pwv`v tgvúZ mewP` i Kg KwI R Drcv` btK Drmiv`vb Ges KwI Dbqtb AvÁwv K mnthvMZv epx | ve` Zwi Z: <http://dx.doi.org/10.2499/9780896291584RR150>

ISAAA (International Service for the Acquisition of Agri-biotech Applications)

Bangla Centre, c/o CIMMYT BD, Hse18, Rd4, Sec4, Uttara, Dhaka1230, Bangladesh • Phone +88028916929 ext. 122 • Fax ext. 115 • k.nasiruddin@isaaa.org
SEAsia Center, c/o IRRI, DAPOBox 7777, Metro Manila, Philippines • Ph +63-2-580-5600 • Fax 580-5600 • Telfax 49-536-7216 • R.Hautea@isaaa.org
AmeriCenter, 417 Bradfield Hall, Cornell University, Ithaca, NY 14853, USA • Phone +1-607-255 1724 • Fax 255 1215 • AmeriCenter@isaaa.org
AfriCenter, CIP/ILRI, PO Box 25171, Nairobi, Kenya • Phone +254-20-630 743 ext. 3261 • Fax 630-005/631-599 • S.Wakhusama@cgiar.org

www.bdbic.org: ejsj vf` k extqvUKtbj wR_Z` tKš` KZK mKtj i e`envi i Rb` I tqe

www.isaaa.org: ISAAA mæutK©Kj Z` , Crop Biotech Update: extqvUK dmtj i nekpvwúZi I tqe

www.agbios.com: KwI extqvUKtbj wRi I tqe, wDRtj Uti ejsj vf` tki Rb` c`K tmKkb i tqfQ

bdbic@googlegroups.com: ejsj vf` k extqvUKtbj wR_Z` tKš` KZK mKtj i e`envi i Rb` Mlc tgBj

info@isaaa.org: ISAAA thtKvb Z` evcKvkbri Rb`