



evtqvUK dmtj i eZgvb Ae~v

"ISAAA Gi dmtj ~Re chj³ i nek; Avb tK~' KZR i vPZ Dbqpkvj
t~tki Kw -%Re chj³ D^metbi nek; cwi w~zi mivsk"

www.isaaa.org; www.bdbic.org; bdbic@googlegroups.com; info@isaaa.org



tmPaf 12, 2012 Bs

ukti vbg

Lei

AwdKv + wR~etqi Lv~ wivcEv wvDZ Kivi Rb~ K.I.Kt~ i wRGgI Drcv~ tbi Dci tRvi w~tqtQ

Avtgwi Kv

+ Mtel Kiv gnvRb MvQ (**Banker Plant**) e~envi Kti mv~v gvwQ cOZtiva e~e~v Mto Ztj tQ
+ Mtgi cvZvi Wax Liv I Zvc cOZtivtai PweKwW
+ **Western Great Plains** G 2013 mtj Liv cOZtivax ktm~i Awefve

BDtvc

+ EU Gi wePvi Av~vj Z K.I.Kt~ i wRGg km~ Drcv~ tbi ct~qI ivq w~tqtQ
+ cOZte~ tbejv ntqtQ EU evtqvUK ktm~i MhbthwM Zv LpB axi
+ 37 eQi ci EU G wRGg ktm~i Abtgr~ b

Mtel Yv

+ f~avi Rb~ **Shoot Tip** ~vbsi~ c~x~z

Beyond Crop Biotech

+ cvPwJ g~vtj w~i qvi wRt~vbg wmk~tqY Kti tQ
+ weAvbxiv gvbtl i wRt~vbg ckt~i i Zwj Kv Kti tQ

w~wi Z

AwdKv

wR~etqi Lv~ wivcEv wvDZ Kivi Rb~ K.I.Kt~ i wRGgI Drcv~ tbi Dci tRvi w~tqtQ
wR~etqi wki Ges K.I.KMY t~ktK Livi nvZ t~tk i qIv Kti Lv~ wivcEv wvDZ Kivi j~tqI wRGg Lv~ Drcv~ tbi Rb~
mi Kvti i AbgvZ P~t~Q| wR~etqi wki msMvb (CZI) Ges K.I.K mvgvZ (ZPU) etj tQ th, wR~etqi Lv~ wivcEv eRvq
ivLvi Rb~ wRGgI wbtq Kv Kiv DvPZ| CZI e~e~te~ etj wQj Avgiv wRGgI Drcv~ tbi j~tqI wRGg chj³ e~envti i Rb~
~i~ t~tkB w~tkl At~ i ZwM~ w~e| ZPU Gi Z~ KgrZPTinashe Kairiza tRvi w~tq etj tQb th, wRGgI Drcv~ tbi
gva~tg wR~etq Avt~iv jvfevb ntZ cvti | D~vni ~tfc emk~v d~vfmv GLb th wRGg Zjv Drcv~ b Kti tQ Zv c~e~P Zj bvg
Drcv~ b At~k emot~tQ etj b Kairiza| GB gvbweK msMvb Avt~iv etj tQ th, Kgc~tqI t~tki Pvi fv~Mi GKf~M RbM~Yi
Ri~ix Lv~ ~ i Kvi Ges wR~etq Qq eQi Avt~M hLb mi Kvi Rvg c~pM~tbi gva~tg Kw i w~vE~tK tft~z t~q ZLb tgvUvgwJ
Lv~ m~vnt~i Rb~ AvSR~ZK ~vb ms~vi Dci ct~ivc~i w~f~pkvj wQ |

To read the full article, go to <http://www.truthabouttrade.org/2012/09/07/farmers-call-for-gmo-production-to-ensure-food-security/>

Avtgwi Kv

Mtel Kiv gnvRb MvQ (**Banker Plant**) e~envi Kti mv~v gvwQ cOZtiva e~e~v Mto Ztj tQ

USDA Gi weAvbxiv mv~v gvwQ Ges Ab~vb~ tcvKvi wei~t~x cOZtivaK wnt~tpe gnvRb MvQ tK KvR j~vM~vbi Rb~ Mtel Yv
Kti tQ hv K.I.Kt~ i m~vnt~ Kite| gnvRb MvQ nt~Q w~k~vix tcvKvi ~vg Ni hv ktm~ ~vbsi~ ntZ cvti Ges tcvKvgKo Lvq
I H me km~tk Av~vgY Kti | USDA Mtel Yv Kti tQ w~k~vite t~t~c, km~ Ges gvi P~tK gnvRb MvQ wnt~tpe e~envi Kiv
hvq| gnvRb MvQ e~envti i t~qI t~ Mtel Kt~ i Aek~B mZK~vivi mv~t~ ~iayw~k~vix tcvKv evQvB Kti Z nte hv H w~k~vix t~i
Lvq Ges dmtj i qIwZ Kite bv| GgbwK gnvRb MvQ Ggb nte bv hv dmtj i gta~ tivM Qovq|

More information about this research of *Agricultural Research* magazine at <http://www.ars.usda.gov/is/AR/archive/sep12/plants0912.htm>

Mtgi cvZvi Wax Liv I Zvc cOZtivtai PweKwW

Abve~o tivM I tcvKvgvKt~oi Av~vg~tbi gva~tg ktm~i Drcv~ b nwm Kti | Liv t~tki f~vMB ga~c~vDg Avtgwi Kvq c~f~ve tdtj
Ges GwJ f~vi Z I evsjv~t~tki gZ t~tk gvi~vZ~k~f~ite c~f~ve tdtj | Texas A&M University Gi Dr. Dirk Hays GKwJ
Mtel Yv Pjv vb, w~Zvb t~t~Lb th, cvZvi Wax Mtgi we~vfb~vRv~Zi Dci Zvc I Liv mnbvqZv~tK c~f~veZ Kti | Avgiv t~t~Lw h~
cvZvi Wax c~v~gvc I g~vc Kiv hvq Zte GwJ ktm~i Drcv~ b Kgc~tqI 25% evvite| Wax t~tk ~yktj Dw~c~ k~zj ~ytk
GeO c~wb nwm Kti hv Dw~c~ w~t~R~tK k~zj ivL~Z e~envi Kti | t~k~vj K c~R~b~k~Z Dw~c~ c~R~w~Z cvZvi Mvb mgj~Z ivL~Z,
Wax c~v~Pj b Ges gj ev cvZvi MVt~b t~R~t~w~UK gvK~f~ e~envi Kti bZb c~R~w~Z hv Liv cOZtivax D^metb mrvqZv Kti |

More on this news <http://today.agrilife.org/2012/09/07/texas-am-researcher-leaf-wax-may-be-key-to-drought-and-heat-tolerance-in-wheat/>

Western Great Plains G 2013 mvtj Liv c0Ztivax ktm'i Ameffe miMvg Reku3i GKwJ km

c0fZ'i km Drcv`bKvix K.I.Kiv Monsanto's Genuity® DroughtGard™ Hybrids bvgK Liv c0Ztivax ktm'i msKivqabi gva'ig Livi Rb` 2013 Gi tivcb Kivi Rb` Great plain tK GKwJ bZb hS;wntmte e'envi Ki tQ| Liv c0Ztivax k0wJ D™eb Kiv ntqtQ Rvg@Rg evQvBtqi gva'ig hv Kiv ntqtQ GKtI evqtUK Liv mnbxq RvZ I Kw R Abtgv`b i vinv| c0q 250 Rb K.I.K GB cix¶b Abpvtb AskMhb Kti nvtZ Kj tg Liv c0Ztivax RvZ m0utK®AwfÁZv AR¶bi Rb` hvi djvdj wQj Drmwn`vqK| wtklÁiv etj b th, Avgiv wtkm Kw Liv c0Ztivax RvZ Ggb nte thb GwJ GKwJ A`wntmte e'envi nq hvZ Kti Livq Pvtli ci I Gi Drcv`b nwm bv nh|

Read the media release at <http://monsanto.mediaroom.com/genuity-droughtgard-hybrids-2013>

BDtivc

EU Gi wePvi Av`vj Z K.I.Kt`i wRGg km` Drcv`b i ct¶¶ ivq w`tqtQ

BDtivcxqvb wePvi Av`vj Z ivq w`tqtQ th, BDtivcxqvb BDwbqbfj m`m` iv0,tjv wRGg km` Pvtli Rb` AwZwi³ RvZxq Abtgv`b te-AvBbx| i ayZvB bq, Ki Kivi wtkl fvt mZK®Kti tQ th, wRGg km` hv BDtivc Abtgv`b ntqtQ wKŠ K.I.Kiv Zv c0` Ktiwb wKQzAvj vZwšK evavi Rb` G Z` i agvt BZwv qvb KZet¶¶i m¶¶| wePvi Av`vj Z e`vL`v w`tqtQ th, wRGg km` thgb MON 810 fÁvi RvZ RvZxq Abtgv`b c×wZ Avl Zvq tbqv hvte bv hLb GwJ e'envi I evRvi RvZ Kiv nq|

For more information, visit <http://www.europabio.org/agricultural/press/european-court-justice-confirms-farmers-right-cultivate-gm-crops>. To access the online document of the Ruling of the European Court of Justice on cultivating GM crops, visit <http://curia.europa.eu/juris/document/document.jsf?text=&docid=126437&pageIndex=0&doclang=EN&mode=lst&dir=&occ=first&part=1&cid=1195160>

c0Zte`tb ej v ntqtQ EU evqtUK ktm'i MhbthwM`Zv LpB axi

USDA FAS GAINS KZR cKwkZ ewL®R BDtivcxqvb BDwbqabi Kw R evqtUK mSL`vq ej v nq th, evqtUK km` MhbthwM`Zv BDtivcxqvb BDwbqab GLtbr Awfb0`enk0` c0 k0 Kti tQ hv LpB axi Abtgv`b c×wZ| mvZwJ BDtivcxqvb BDwbqbfj t`k wtkl Kti dvY, Rvg¶bx Ges nvtZix evqtUK km` ewYwR`Kfvte Drcv`b wvwl × Kti tQ wKŠ cZ¶¶j Ges t`ub Awak MhbthwM`Zv t`wL tQ| D`vni b`fj- MON 810 fÁvi hv GKwJ cj tbr evqtUK tcvKv c0Ztivax km` Ges AtbK t`tkB Gi Pvl nt`Q Ges Awak cwi gvte hvi tewk mjevRbK I j vFRbK ZbtfvRx, wKvix Ges tcvKv gKo mnbxq RvtZ cwi MwbZ ntqtQ| wKŠ tek KtqKwJ BDtivcxq BDwbqbfj t`tk MhbthwM`Zv cvqvb| Dci Š KtqKwJ ewYwR` wfvRb m¶¶ Kiv ntqtQ GE cY` Avg`vbxZ|

For more http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Agricultural%20Biotechnology%20Annual_Paris_EU-27_8-3-2012.pdf

37 eQi ci EU G wRGg ktm'i Abtgv`b

BDtivcxqvb Kwgb wRGg Abtgv`b i wvvtš-eQti ci eQi Atc¶¶v Kti tQ c0q 37 eQi hv mvgwMKfvte GwJ BDtivcxqvb mvgwZi Rxwki KZR cKwkZ| BDtivcxq BDwbqab AvBtb mvgwZtK wKQzwbqggwvK wvvtš`Zix KtiZ nq, wKŠ tmB wqbt wRGg ctb`i Abtgv`b c0qvRbxq wqgtK AwZµg Kti| GB Rb`B wRGg km`tK µtg Rvntq t`q th, thLvtb Dbqbkxj t`k,tjv BtZvgt` wRGg km` Mhb Kti tQ Ge0 BDtivcxq BDwbqab Zvt`i cY` i Bvwb Kti tQ|

Paper at http://www.europabio.org/sites/default/files/position/37_years_of_delays_in_the_eu_approval_of_gm_products_europabio.pdf

Mtel Yv

fÁvi Rb` Shoot Tip `vbsi c×wZ

Pvtbi Tianjin University Gi GK`j MtelK fÁvi eskMwZi `vbsi i GKwJ KvRix I mnR c×wZ Aw0`vi Ktib| `ß i Kti fÁvi RvtZ Shoot Meristem e'envi Ktib| GB MtelYvq `vbsi ¶¶gZvtK mebgac0arv` t`qv ntqtQ| GB djvdj wbt`R Kti th, mebg0`vbsi c×wZ nt`Q mspµgb mgq evqj`× Ae`vq 20 wgvbU Ge0 mnbxq mgq 3 w`b| RT-PCR and HPLC wtkl t`Lv hvq th, psy gene fÁvi genome Gi mvt`mgšq ntqtQ| ifcvšwi Z fÁvq eb` fÁvi tPtq 25% tewk K`vti wJb `vtK| GB c×wZwJ Kwv tissue culture tK mvi tQ GKwJ mnR `vbsi c×wZ GbtQ|

Paper published by *China Biotechnology* at <http://159.226.100.150:8082/biotech/CN/volumn/home.shtml>. More info <http://www.chinabic.org>

Beyond Crop Biotech

cvPwU g'vtj wi qvi wRt'bvq wmk'tqY Kti tQ

USA Gi Case Western Reserve University Ges Ohio Gi Cleveland Clinic Gi weÁvbxiv cvPwU *Plasmodium vivax* cRwZi Genome Sequence Kti tQ hv Cambodia Ges Madagascar ti vMx` i t_tK tbqv n'tqQj | Sequencing Gi KvRwU 80,000 G SNPs mbv³ Kti hv mgwSZ Aa`qtbi wfwE MVb Ki tZ cvti Ges GKwU AA'tj i *Plasmodium vivax* Gi `ewPÍZv Mtel Yvi t'qití Rwi c DcvE wntmte KvR Ki te | GB Sequencing Gi djvdj th bZb DcvE mieivn Kti Zv fwe l`tZ weifbceRvtZi g'vtj wi qv parasite traits thgb JI tai cÁZti vax wntmte KvR Ki te |

Original article <http://www.cosmosmagazine.com/news/5961/decade-long-dna-project-prompts-%E2%80%98gene%E2%80%99-redefinition>. For more details about ENCODE, visit <http://www.nature.com/encode/#/threads>

weÁvbxiv gvb'tl i wRt'bvq cK'tí i Zvwj Kv Kti tQ

Human Genome Project Gi weÁvbxiv gvb' Genome Gi GKwU Ask Zvwj Kvfy³ Kti tevaMg` msKj b Kti tQ | GB Zvwj Kv'tK ejv nq nyclopedia of DNA Elements (ENCODE) | kãwU mwweKfvt'e eSivq wRb Ges genetic traits tK Ges j'KwqZ _vtK hv Junk DNA wntmte cwi wPZ | Sarah Djebali whub GKRb ENCODE Gi AMMvgx Mtel K | wZwb etj b GwU biological and medical Gi t'qití wfwE wntmte KvR Ki te | ENCODE 2003 mtj 500 Rb we'tkIÁ w'tq`i`i` Kti miv w'e'tk'í Mtel YvMvti Ges tkl Kti GB eQi |

More details are available at <http://www.genengnews.com/gen-news-highlights/five-malaria-genomes-sequenced/81247282/>

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

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www.bdbic.org: বাংলাদেশ পর্যাটেকনোলজি তথা কেস্ট্র কল্টক সর্বলের বাবদলের অন্য ওয়েব

www.isaaa.org: ISAAA সম্পর্কে সকল তথ্য. Crop Biotech Update: পর্যাটেক ফসলের বিপ্লু পরিষ্কৃতিক্ত ওয়েব

www.agbios.com: কৃষি পর্যাটেকনোলজিক্ত ওয়েব

bdbic@googlegroups.com: বাংলাদেশ পর্যাটেকনোলজি তথা কেস্ট্র কল্টক সর্বলের বাবদলের অন্য EPL মেইল

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