



বায়োটেক ফসলের বর্তমান অবস্থা

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ISAAA “এর ফসল জৈব প্রযুক্তির বিশ্ব জ্ঞান কেন্দ্র কর্তৃক রচিত
উন্নয়নশীল দেশের কৃষি-জৈব প্রযুক্তি উদ্ভাবনের বিশ্ব পরিস্থিতির সারাংশ



ৱক্টি ববগ

20 AvMó 2009

Lei

ৱেক্! GৱকqvZ 1.5 ৱেij qtbi AৱaK gvbj tK LvL qvtbvi Rb" cwb bxiZi cYMVb cঐqvRb
Mtel Yvq t` Lv tMtQ cteP Kৱl cxiZ ৱেক্`vcx cwi eৱZZ Avenl qv ৱei jc cঐZৱμqv mৱó Kti

AvৱdKv IITA ৱó b ti vM cঐZti va m=úbaKvmvfví RvZ `Zi x Kti tQ

Avtgৱi Kv ZvgvK MtQi mৱvth` **Cruise Ship Virus** Gi UxKv `Zi x
ঐi v cঐZti va m=úbaNm
Bayer Crop Science Athenix Gi km` Mhb Kti tQ

Gৱkqv I ckvš- **CSIRAO and USDA** ৱRe Ryj vbx `Zi xi Rb" Nvfmí ৱRb ৱbtq Mtel Yv Ki tQ
gnvৱMi xq AAj **CSIRAO** evtqvUK j `ve `Zi x Ki tQ
ৱdij cvBtb eb`v cঐZti va m=úbaevtbi RvZ %Zi x
Petro-Vietnam B_vbj `Zi xi Rb" KvtRi AMMwZ Ki tQ

BDti vc Bsj `vtUi MlnKi v ৱRGg Lv` `i e`vcvti Kg mtPZb

Mtel Yv

eb`v cঐZti va m=úba**SNORKEL** avb Kl.Kt` i Avkvi mÁvi Kti tQ
MvQ cঐZKj cwi tetk ৱgt_b ৱbMZ Kti

ৱে`ৱি-Z

Lei t ৱেক্!

GৱkqvZ 1.5 ৱেij qtbi AৱaK gvbj tK LvL qvtbvi Rb" cwb bxiZi cYMVb cঐqvRb

Gৱkqví tmP e`e`vcvbi Dci `i "ZcYৱi tcvU**International Water Management Institute (IWMI)** Ges **United Nations Food and Agriculture Organization** KZK AvMvgxtZ ৱKfvte Lv` Pৱn`v ci Y Ki v hvte tm m=stU
cঐZte` b tck Kti tQ| GৱkqvZ Lv` Pৱn`v ci Y Ki vi Rb" GLvtb ৱZbU ৱel tqi Dci `i "Zt` l qv ntqtQ- 1) Ab`vb`
Gj vKv t`tK cPí Lv` Avg` vbx; 2) eৱó cwbí mৱvth` Kৱl m=cánvi Y Ges 3) tmPhy³ Pvtl i Dci `i "Ztí vc| **IWMI**
Gi gnvcií Pvj K etj tQb 2050 mvtj i gta` Gৱkqví Lv` Pৱn`v ৱó b ntel

Detail: http://www.iwmi.cgiar.org/SWW2009/PDF/Stockholm_WW_2009_Media_Release_ENG.pdf

Mtel Yvq t` Lv tMtQ cteP Kৱl cxiZ ৱেক্`vcx cwi eৱZZ Avenl qv ৱei jc cঐZৱμqv mৱó Kti

fৱRlbbqv ৱেক্`e` `ij tqi **William Ruddiman and Maryland-Baltimore** ৱেক্`e` `ij tqi **Erle Ellis** cৱP eQi cteAbgvb
Kti tQ gvbj eU eQi cte`tKB ৱেক্`vcx Avenl qv cwi eZfb ৱj B ntq AvtQ| cteÁr Avenl` i Rb" AtbK teik Rৱg
cঐqvRb ntZv| GB Rb" gvbj R/2j DRvi Ki Z Ges cjqotq tdj Z| eZgvtb Dbz RvtZi Avenl` i Rb" Ar RৱgtZ teik
gví vq Drcv` b nq GtZ Kti Rৱgi cwi gvb Kg j vM Ges AtbK Gj vKvq Zvt` i chfB eb`vÁj ৱdtj tctqtQ|

Press Release: <http://www.virginia.edu/uvatoday/newsRelease.php?id=9443>

Leit AwidKv

IITA w0 b ti vM c0Zti va m0ub0Kvmvfi RvZ ^Zi x Kti tQ

International Institute for Tropical Agriculture GKIU cKti i gva'tg **Casava, Brown Streak Disease (CBSD) and Casava Mosaik Disease** c0Zti va m0ub0Kvmvfi RvZ ^Zi x Kti tQ| ce'Ges ga' AwidKvZ Kvmvfi GB `BwU ti vMi Rb' A'tbK ¶wZ mvaZ nq| GB ti vM c0tg gwj tZ t' Lv hvq, ci eZtZ GB ti vM DMvÜvi ZvbRwbcqv, tKwbcqv Ges Kt½tZ A'tbK ¶wZ mvab Kti | GB AmJL Kvmvfi gj t½tj vK i wKtq MtQi Lvevi AbjcvthvMx Kti tZvtj |

Article: http://www.iita.org/cms/details/news_feature_details.aspx?articleid=2668&zoneid=342

Leit Avtgi Kv

ZvgvK MtQi mrvth' Cruise Ship Virus Gi UxKv ^Zi x

H1N1 fvBi vm Gi c0' f'f'ei gva'tg mravi Y gvbj Ges ^eAwibKi v wPšvq-ctotQ th wKfite Ges KZ ^'Zfite, fvBi vm cwi ewZš ntq bZb Kti f'q½i AvKvi avi Y Ki tQ| wKš'UxKv GZ ^'Z ^Zi x m0' bq Ges GwU e'vqeÜj c×wZ| **Charles Arntzen** Awi tRvbi **Disease Ges Vaccinology Center** Gi ^eAwibK MtQi fvBi vm BwAwbcqwi s Kti **norovirus** Ges **Cruise Sheep Virus** Gi Rb' c0pi cwi gvtb UxKv ^Zi xi c×wZ Awe'wi Kti tQb|

Press Release http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_ARTICLE MAIN&node_id=222&content_id=CNBP_022762&use_sec=true&sec_url_var=region1&__uuiid=66ff3fde-325e-425a-b5c7-e0db4f1372cb

¶i v c0Zti va m0ub0Nvm

Avtgi Kv Kwl Awa' Bti i tRtbwU. **Jason Goldman** Ges Zvi mntšwMi v D'PgvI vi ¶i v c0Zti va m0ub0bluegrass Gi c'Rbb Kti tQ| GwU nt'Q VvÜvi mgtq Mtgi Ges Ab'vb' evrmwi K ktm'i cwi etZ'qi vcb Ki v nte|

Press Release: <http://www.ars.usda.gov/is/pr/2009/090817.htm>

Bayer Crop Science Athenix Gi km' Mhb Kti tQ

Rvgf'xi evqvi µc mvtqY Zvt' i wRGg ktm'i RvtZi Avti v Db0tbi Rb' **Athenix** Gi km' µq Ki tZ i vRx ntqtQ| Avtgi Kv **Athenix** c0Z0v nI qvi ci Kwl Db0tbi Rb' A'tbK DbZ RvZ I c×wZ ^Zi x Kti tQ| wetkl Kti Gi nvi wemvBW c0Zti va m0ub0akm' I tmvqweb ^Zi xtZ f'wgKv ti tKtQ|

Press Release: http://www.press.bayercropscience.com/bcsweb/cropprotection.nsf/id/EN_20090819?open&l=EN&ccm=500020

Leit Gikqv I c0kvš-grvmvMi xq AAj

CSIRAO and USDA %Re Ryj vbx ^Zi xi Rb' Nvtmi wRb wbtq Mtel Yv Ki tQ

CSIRO and USDA Nvtmi wRb wbtq Mtel Yv Ki tQ ^ReRyj vbx %Zi xi Rb' **Australia's Commonwealth Scientific and Industrial Research Organization (CSIRO) and US Department of Agriculture** Nvtmi wRb wbtq KvR Kti t' LtQ wKfite teik Ryj vbx tZi x Ki v I Lv' km' ^Zi xtZ KvR j vM| GB KvRi AMwZi Rb' 1.6 wgvj qb Wj vi c0 vb Ki v ntq%Q| *Brachypodium* GKIU tQvU Mtgi gZ MwQ hv Ryj vbx Mtel Yvi Rb' **Lab Rat** wntšte KvR j wMtel Mtgi gZ *Brachypodium* wRtbi I m0ub'Abjµg m0' ntqtQ|

Full Article from CSIRO: <http://www.csiro.au/news/Biofuel-and-crop-research-grows.html>

CSIRAO evtqvUK j ve ^Zi x Ki tQ

At0lj qvi **Commonwealth Scientific and Industrial Research Organization (CSIRO)** At0lj qvi K'vbteti vtZ GKIU Mtel Yv j ve'ti Ui x ^Zi x Ki tQ| GB j ve'ti Ui xi gva'tg **CSIRO** Gi Kvhp'rg Avti v Zi wšZ nte|

Full Article: <http://www.csiro.au/news/New-ENTO-lab.html>

w0ij cvBtb eb'v c0Zti va m0ub0avtbi RvZ %Zi x

w0ij cvBtbi **Seed Industry Council (NSIC)** eb'v c0Zti va m0ub0avtbi RvZ Abtgv' b Kti tQ **INSIC Rc194 Submarino** bvtg cwi wPZ; **IR64** Gi mvt_ thvM Ki v ntqtQ Ges **California Davis** KZK Awe'KZ **Indian Rice Variety FR13A** Gi mvt_ msthvRb Kti | **Sub Mournier IR64** Gi gZ dj b¶Igzv vKte| m0ub'eb'vq wbgw¾Z nI qvi ci I 10 w' b tetQ vKte|

More Info: http://www.philrice.gov.ph/index.php?option=com_content&task=view&id=877<emid=1

Petro-Vietnam B_vbj ^Zi xi Rb" KvRi AMMwZ Ki tQ

WftqZbtgi **Quang Ngai and Southern Province of Binh Phuoc** `BwU B_vbj cv>U ^Zi x Kti tQ| Gi gra'tg Kvmfv
GeO AvL t_tK 100 wuj qb wj Uvi B_vbj cF'Z m@nte|

Press Release in English: <http://english.vietnamnet.vn/biz/2009/08/862944/>
Email to Doan Anh Mai of Agbiotech Vietnam: biotech_vn@yahoo.com.

Lei t BDti vc

Bsj `vtUi MlnKi vWRGg Lv` `i e'vcvti Kg mtPZb

wKQyavtbi RvZ Zvt` i KvU Mfxi cwbi gta` ciek Kwi tq AxaK eb'v cLZti va Ki tZ m'lg nq| GB avtbi RvZ Zvt` i
KvU _tj v 4 wlvti i teik cwbtZ ciek Kwi tq kpm MhY Ki tZ m'lg| GB Avne®vti i gvatg Gukqvi avb Pvl xt` i Rb`
DcKZ nte Kvi b GB AAj metPtq teik eb'vq Avmvs-raq| Rvcvtbi GK` j Mtel L **SNORKE11 and SNORKE12**
bvtg `BwU Rxb tctqtQ th _tj v **Gaseous phytohormone ethylene** Øvi v cF'weZ ntq MvQK Mfxi cwbtZ kpm Mh'tb
mrvh` Kti |

Report Download: <http://www.food.gov.uk/multimedia/pdfs/fsatrackersurvey.pdf>

Mtel Yv

eb'v cLZti va m'ubae**SNORKEL** avb K.l. Kt` i Avkvi m'Avi Kti tQ

MvQ wi K'v'v>U tcUUtbi D'PgvI vi cKvKB nt'Q KvwLZ `e'wkó **Elastin-Coke Polypeptides** GKvU wmbt_UK
evtqvij gvi cwj tccUvB'Wi mvt` wdUR Ki tj MvQ w'v'f'acKvi wi K'v'v>U tcUUtbi cKvktb e'v' cvq| KvbWvi
Agriculture and Agri-food Canada Gi `e'AvbxK **Rita Menassa** Ges Zvi mnthvMx wKf'vte **Green fluorescent
Protein (GFP)** Gi mvt` **ELP** thvM Kti ZvgvtKi tKvtl mvBtUvcvRg tKvti vcvó Gtcvctó Ges GtUvcvRwK ti wUKj vtg
teik wi K'v'v>U tcUUb Ro Ki v hvq Zv t` Kv nt'Q|

Paper Available: <http://dx.doi.org/10.1038/nature08258>
More Information: <http://dx.doi.org/10.1038/460959a>

MvQ cLZKj cwi tetk wgt_b wBMZ Kti

ci t` i gZ MvQI t'fm Ae`vq _vtK Ges GB mgq teik gvI vq wgt_b wBMZ Kti th _tj v KveB-WB-A. vBW Gi tPtq
teik ZvcgvI v evovq| KvbWvi we'Avbxi v t` tL'tQ ZvcgvI v BD.wf. ti wwtqkb Ges cwbi `f'ZvtZ MvQ teik gvI vq wgt_b
wBMZ Kti |

paper is available: <http://dx.doi.org/10.1111/j.1399-3054.2009.01268.x>

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www.isaaa.org: ISAAA m'v'K'Kj Z_`, Crop Biotech Update: etqitUK dmtj i w'k'ari w'zi l tqe

www.agbios.com: Kal etqitUKtbyj wRi l tqe

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info@isaaa.org: ISAAA Gi thtKib Z_` erdKikbri Rb`