



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

09 A±±vei 2009

Lei

ৱেক্‌ **FAO** etj tQ Kml i Dbæþbi Rb` Avti v ৱেবতqvtMi c¼qvRb
þbtej ৱeRqxi v tµvtgvrTgi tUtj vgi Ges i vBtevtRvg ৱbtq Kvr Ki tQ

AvdKv cvUþvi ৱkcti gra'tg cvj ৱgþUi KvhKvi xZv Dbæþ Ges Kml tZ mrvh`

Avtgvi Kv **USDA** G **FAO** tK bZb Lv` ৱbi vcEv AvBtb mnþhMxZv Ki te
MvtQi ৱRþbvgK Mtel Yvi Rb` **USDA** 11 ৱgij qb Wj vi mrvh` c¼ vb Ki te
Maui KvDwYj ৱRGg Uvti v Pvl ৱbml x Ki tQ

Girkqv I c¼kvs- Bt` ৱþbirkqv Ges ৱdij cvBtb evtqvUK ktm`i Av` ৱmvgwRK c¼Ziµqv
gnvmvMi xq AAj Rvcv **IRRI** tK 25 ৱgij qb Wj vi Abj vb c¼ vb Ki te

BDþi vc mvari Y fÆvi Zj bvg ৱRGg fÆvi Kg c¼ve
bZb cvU ৱRþbvgK cUj DbæZ RvtZi ktm`i Mtel Yvi Rb` mrvh` Ki te

Mtel Yv

fÆvi tKi bvtj Mtgi ৱRb c¼kvtbi gra'tg fÆvi ৱgtj i eUwea e`envi

ৱে` ৱi-Z

Lei t ৱেক্‌

FAO etj tQ Kml i Dbæþbi Rb` Avti v ৱেবতqvtMi c¼qvRb

2050 mtj i gta` Avti v 2.3 ৱeij qb gvbj tK Lvl qvtbvi Rb` 70% Kml Drcv` b e¼xi c¼qvRb| Avi GB Drcv` b
e¼xi Rb` mvari Y gvbj tK Mtel Yv I Dbæþbi Rb` Avti v teik ৱেবতqM Ki tZ nte, bZb c¼h³ Kml c¼xZ Ges DbæZ
RvtZi km` Pvl Ki tZ nte| **FAO** etj tQ ৱbtæ³ t¶t¶ c` t¶c Avti v KvhKvi xfvte ৱbtZ nte|

- Kml tZ ৱেবতqvtMi gra'tg K.I.Kt` i KvhKvi xZv evovtZ nte|
- DbæZ RvtZi km` Pvl Ki tZ nte|
- Kml Mtel Yv I Dbæþbi Rb` Avti v teik ৱেবতqM Ki tZ nte|

FAO press release: <http://www.fao.org/news/story/en/item/35686/icode/>

þbtej ৱeRqxi v tµvtgvrTgi tUtj vgi Ges i vBtevtRvg ৱbtq Kvr Ki tQ

Avtgvi Kv t_tK ৱZb Rb ৱeAvbx **Elisabeth H, Blackburn, Carol W, Greider and Jack W. Szostak**
2009 mtj tgvWmmtb þbtej cj ৱvi tctqtQ| GB ৱZbRb ৱeAvbx t` tLQ ৱKfvte tµvtgvrRvg, tj v tUtj vgi GeO tUtj vgi R
GbRvBg Øvi v i ¶v c¼q| **Blackburn** Ges Zvi mnþhMxi v t` tLQ tKvtl ৱefvRtbi mgq tµvtgvrRvg, tj v ৱbLZfvte
ৱefwRZ ntq `BilU tKvl `Zi x Kti GB mgq tUtj vgi R GbRvBg tµvtgvrRvg, tj v fvzv t_tK i ¶v Kti | GB tUtj vgi R
GbRvBg Awe¼vti i dtj bZb t_i ৱcDilUK Wm thgb A'vcwK A'wlogqv Rb` JI a %Zi x m¼¶| Kvti ৱj ৱb`v, Bb¼wUDU
009 mtj i m¼qtþ **Venkatraman, Ramakrishnan, Thomas Steits and Ada. Yonath** tK Zvt` i
i vBtevtmvtgi **X-ch** rystallographic Structure ৱbbfqi Rb` þbtej cj ৱvti f¼l Z Kti tQb|

Press Release: http://nobelprize.org/nobel_prizes/medicine/laureates/2009/press.html
and http://nobelprize.org/nobel_prizes/chemistry/laureates/2009/press.html

Leit AwidKv

cvUØvi wktci gra'tg cvj fgt>Ui KvHkvi xZv Dbøb Ges Kwi tZ mvrnh"

AwidKvi cvj fgt>U bZb cvUØvi wktci gra'tg Mi xe Kl.Kt` i mvrnh` Ki vi tPó Ki tQ hvfZ Zvi v gvV chfQ t_tK Kwi Drcv` b_s,tj v evRvi RvZ Ki tZ cvti | GB cvUØvi wkc **Alliance for a green revolution in Africa (AGRA) and Association of European Parliamentarians for Africa (AWEPA) Dr. Akinwumi Adesina, AGRA Gi Via** tclmW>U etj tQ chfB Lvevi Qrov, gvbj ¶lav tctU MbZŠ;ARØ Ki tZ cvti bv| AwidKvi MbZŠ;AvbtZ ntj wbtRt` i Lv` wbtR cØZ Ki tZ nte|

Press Release: <http://www.agra-alliance.org/content/news/detail/1016>

Leit Avtgui Kv

USDA G FAO tK bZb Lv` wbi vcÈv AvBtb mnthvMxZv Ki te

Agriculture Marketing Service (AMS) Gi Fresh Products Branch Gi cåvb **Leanne Skelton** Oq gvtmi Rb` **FDA** Gi ntq KvR Ki vi Ges GLvfb wKfite Lv` wbi vcÈv AvBb KvR Kti tm e'vcvti AMWZ Avbte|

Article: <http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm185278.htm>

MtQi wRtbwqK Mtel Yvi Rb` **USDA** 11 wuj qb Wj vi mvrnh` cØ vb Ki te

USDA cØqvMKZ MtQ wRtbvg wbtq Mtel Yv Ki vi Rb` 11 wuj qb Wj vi Abj vb cØ vb Ki te| GB Abj vtbi gra'tg tKvb cKvi UvKv bó nte br ei s GLvfb UtgtUv, Avj y emj P Dci teik Mtel Yv Ki v nte|

Press Release: http://www.usda.gov/wps/portal/!ut/p/_s.7_0_A/7_0_10B?contentidonly=true&contentid=2009/10/0496.xml

Maui KvDwYj wRGg U'vti v Pvl wbi x Ki tQ

MAUI nvl qtb Øtci GKw cØ k, GLvfb wRGg U'vti v Pvl wbi x Ki v ntqtQ| KvDwYj i m`m'i v etj tQ U'vti v GKwU cieT MØ GtK cØKwZK Ae`vq i vLvq fvj |

Original Article: <http://www.mauinews.com/page/content.detail/id/524344.html>

Leit Gikqv I ckvš-gnvmMi xq AÅj

Bt> wtbwqkv Ges wclvj cvBtb evtqvUK ktm`i Av_©mvgwRK cØZwµqv

tcvKvgvKo Ges ti wM evj vb `gb Ki vi Rb` wclvj cvBb Ges Bt> wtbwqvZ thme Mtel Yv I Dbøb Ki v ntqQj GtZ Kti chfB gvT vq A_¶bwZK Dbøb m`e ntqtQ| evtqvBwAwbqvi KZ km` thgb- **Transgenic Ring spot Virus Resistant Papaya, Insect resistant Eggplant (Bt), Multiple Virus Resistant Tomato** Ges Bt> wtbwqvZ **Late Blight Resistant Potato**|

More Information Email: isaaa-seasia@isaaa.org or jap@agri.searca.org.

E-copy of book downloaded: <http://www.isaaa.org/resources/publications/default.html#projectedimpacts2009>

Rvcvb **IRRI** tK 25 wuj qb Wj vi Abj vb cØ vb Ki te

Rvcvb **IRRI** tK ¶i v cØZti va m`ubæGes DbæDrcv` b ¶lgZv m`ubæavb DrcbæKi vi Rb` 20 wuj qb Wj vi mvrnh` cØ vb Ki te| Gi gta` 5 wuj qb Wj vi cØ vb Ki te AwidKvi **Rice Specialists-**t` i tUlbs Gi Rb`|

Press Release: [http://beta.irri.org/news/index.php/press-releases/japan-commits-\\$25-million-to-international-rice-research.html](http://beta.irri.org/news/index.php/press-releases/japan-commits-$25-million-to-international-rice-research.html)

Leit BDti vc

mvavi Y fÆvi Zj bvq wRGg fÆvi Kg cÆve

BDti wcvqv BDwqvb, t`utbi **Girona** tZ wRGg ktm` cÆve ci x¶v Kti t` tLtQ| 2008 mtj 12wU ktm` Rwg wRGg km` ti vcb Kti wQj Ges ci eZ¶tgšmfg mvavi b RvZ Pvl Kti wQj | dj vdtj t` Lv wMtqtQ wRGg km` Gj vKvq Kg gvT vq (cØZ`K tn±ti gvT 30wU) tcvj b Ges Kg gvT vq ØnotqtQ|

Report: <http://www.fundacion-antama.org/noticia/la-probabilidad-de-impacto-del-ma-z-mg-sobre-el-convencional-es-muy-baja>

bZb cvU wRtbwgK cUvj DbZ RvZi ktm'i Mtel Yvi Rb' mrvh' Ki te

The European Molecular Biology Laboratory's European Bioinformatics Institute (EMBL-EBL), USDA Gi Cold Spring Harbor Laboratory Gi mvt_ Ensemble Plants %Zi x Kti tQ Ges GmJ GKwU gj³ cvU wRtbwgK wi tmvm⁹ GB Web source Gi gva'tg Mtel Ki v cWbqZ Arabidopsis rice, sorghum, poplar and Grape vine Gi wRtbvg t' LtZ cvi tQ|

Press Release: <http://www.ebi.ac.uk/Information/News/pdf/7OctEnsemblPlants.pdf>
Access Ensembl Plants: <http://plants.ensembl.org/index.html>

Mtel Yv

fÆvi tKi bvtj Mtgi wRb cKvktbi gva'tg fÆvi wgtj i eUwea e'envi

fÆvi extRi `pZv wbfP Kti | k³ I bi g GtÜv`útgP wFwE Kti Ges GmU GKwU fvj `eikó` hvi gva'tg fÆvi weifba e'envi wbfP Kti thgb ÷vP⁹Drcv` b wgtj i e'envi thwM` cvDWi Drcv` b BZ`w` | **Montana State University and Washington State University Endosperm Specific Expression of Puroindoline Genes (Pina and Pinb) clek Kwi tqtQ| GB Tryptophan mgx AÄj PIN tcWUbtK Strach Gi wj wCW mgx AÄtj eÜb Kti tcWUbt mgx AÄtj bq, GtZ Kti Gt` i `pZv Ktg|**

Journal: <http://dx.doi.org/10.1111/j.1467-7652.2009.00438.x>

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www.bdbic.org: esj vi` k'entqitUKtbyj wR Z` tK` KZK mKij i e'entti i Rb' l tqe

www.isaaa.org: ISAAA me'itK'mKj Z` , Crop Biotech Update: entqitUK dntj i wek'ari i'izi l tqe

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