



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

28 Aৱó 2009

Lei

ৱেক্‌ ৱRGg Mg ৱেক্‌ ৱcx Pৱন` ৱ
gbmৱUv **Collectis Gi Genome modification Technology** e`envi Ki vi Rb` j vBtm`Y Kti tQ

AৱদKৱ ৱi ৱMi Kvi ৱY AৱদKৱq GLb Kj v Pৱl úgৱK ntq` ৱotq̄Q
AৱদKৱq 2008 mৱtj avtbi Drcৱ` b ৱØ` b ntq̄Q

Aৱtgi ৱi K`ৱtgj bv, nৱefiৱBW c̄iZti va m`úbaGKৱU`Zj exR
Mtel Yৱq t` Lv tM̄tQ eৱmgৱZ avb t`tK D`P gvT vi m̄M̄U Drcbৱq
ৱeÁvbx i v KY` tK bZb AvVv` Zi x Kti tQ

Gৱkqv I c̄kৱŠ- ৱf̄tqZbৱtgi c̄vi tek gŠ̄eৱtq̄tUK ৱbi vcÉv AvBb %Zi x Kti tQ
gnৱmMi xq AĀj fvi t̄Zi c̄P̄j Z extRi Zj bৱq Db̄Zgv̄tbi extRi Dci `i vZ̄t̄i vc

BDti vc BZij xi DĒi vĀtj **Western Corn Root Warm Gi** e`vcK ৱ̄Z mab

Mtel Yৱ

Bi t̄i i Dci **Virus** c̄iZti va m`úbaৱRGg t̄c̄c

ৱe` ৱi-Z

Lei t ৱেক্‌

ৱRGg Mg ৱেক্‌ ৱcx Pৱন` ৱ

c̄vi tek I Kৱl eৱÚe eৱtq̄tUK km` eZ̄ḡt̄b e`vcK Pৱন` ৱ m`úbaKvi Y G` ৱj vi Rb` Kৱl t̄Z Drcৱ` b tēt̄tQ, Drcৱ` b
Li P Kt̄t̄Q Ge0 tmB mৱt` ৱf̄j gv̄tbi d̄mj I cvl qv hv̄t`Q| ৱRGg k̄tm`i 12 eQ̄ti c`vc̄bi ci t` Kv hv̄t`Q tmvq̄web
km` Ges K`ৱt̄bvj ৱZ tek A_ৱZK Db̄eb ntq̄tQ| M̄tgi t̄q̄t̄I I GB m̄jeav cvl qvi Rb` Āt̄ó̄j qv, KvbWw Ge0
Aৱtgi ৱi 9ৱU c̄iZ̄vb ৱRGg Mg Drcৱ` b Ki vi Rb` c` t̄q̄c M̄hb Kti t̄Q| ৱKQৱRGg M̄tgi j vBb` Zi x Ki v ntq̄tQ
th` ৱj v ৱcd̄t̄m̄i qvg c̄iZ̄ti va m`úba

More information: <http://www.fundacion-antama.org/noticia/trigo-modificado-geneticamente-una-demanda-global>

gbmৱUv **Collectis Gi Genome modification Technology** e`envi Ki vi Rb` j vBtm`Y Kti tQ

gbmৱUv t̄Kv`úbx d̄t̄Yi **Collectis S.A. biotechnology** t̄Kv`úbx mৱt` **Meganuclease Technology** e`envi Ki vi Rb`
eৱYৱR`K f̄t̄e j vBtm`Y Kti t̄Q| **Meganuclease** ḡij Kj vi KৱQ th̄U GKৱU **Plant Cell Single site**| GৱU ৱR̄t̄bvg ` ৱj ৱK
f̄ij f̄t̄e K̄Ūt̄Z m̄v̄h` Kti Ges Gi ḡta` i t̄q̄t̄Q **Gene Stacking Gene knock-out**|

Press Release: <http://monsanto.mediaroom.com/index.php?s=43&item=745>

Leit AwidKv

ti vti Kvi tY AwidKvq GLb Kj v Pvl ugiK ntq wotqtQ

ti vti Kvi tY AwidKv Kj v Pvl xti eZgtb Rxeb hvcb Ki v Lp mgi vi gta AvtQ GB ti vti Kvi tY, tkubqv, DMUv, i qvUv GeO ZvbRwbqvZ Lv mi ei vtn mgi v t Lv w t Q Kvi Y Kj v GLvbkvi cabb Lv w Kfite Gme ti v cilti va m, weifbet tki weAvbxi v ZvbRwbqv **Arusha** tZ G wbtq wguUs Kti tQ GKU AmL ntQ Kj v **Banana Bunchy top virus** hv cilt 12 wU t tk Avugb Kti tQ

Article: http://www.iita.org/cms/details/news_feature_details.aspx?articleid=2735&zoneid=342

AwidKvq 2008 mtj avtbi Drcv b w0 b ntqtQ

FAO t tLiq 2007 mtj i Zj bvq 2008 mtj 18% Drcv b eix tctqtQ AwidKvi **Rice Center (WARDA)** etj tQ GB Drcv b eixi Kvi Y **WARDA** avb Pti i Rb thme wbgq etj tQ Gi Avl Zvf m m t k, tj v tmfiteB avb Pvl Kti tQ evi wKbv clvtnv GKU Ab Zg t k thLvib 2007 mtj cabb Lv w mgi v wQ | wKS 2008 mtj GLvib avtbi Drcv b 241% tetotQ

Press Release: <http://www.warda.cgiar.org/warda/newsrel-precom-sep09.asp>

Leit Avtgi Kv

Kvtgij bv, nwehvBW cilti va mubaGKU ^Zj exR

Kvtgij bv GKU ^Zj exR th, tj v evtqmwRj ^Zi xZ e euZ nq | G, tj v cirkRwgtZ Pvl Ki v hvq Ges Aí cii gv b cwb l mvi clqvRb cto | eZgtb Kvtgij bv, tj vK cii eZB Kti 2wU nvi wemvBW thgb BimWtRwv j tlvbm **Seelfonylamino- Carbonyltriasones Seelfonyfureas, Triazolpyrimidines and Triasolones** cilti va muba

More Information: <https://www.camelinacompany.com/Marketing/PressRelease.aspx?Id=26>

Mtel Yvq t Lv tMtQ evmgwZ avb t tK D P gvl vi mMU Drcbanq

fvi tzi mMU evmgwZ GeO vBj vti Rvimgb ntQ metPtq evqej Ges AvZcui wPZ | **National Academy of Sciences** GKU w tvcUcKwKZ ntqtQ Ges GLvib **BADH2** wRtbg cii eZbi Kvi tb ntq v tK | GB cii eZB 8wU RvqMvq nq Ges G, tj v me evmgwZ l tRimgb RvtZi |

Details: <http://www.news.cornell.edu/stories/Sept09/RiceFragrance.html>

weAvbxi v KY tK bZb AvVv ^Zi x Kti tQ

KY tK ^Zj wbfm Kivi ci Gi Rvg, tj v mvari YZ twie l j vBftovK Kvth e euZ nq | **Department of Agriculture Agricultural Research Service** Gi weAvbxi v t tLiq Gi tclwUb, tj v **Plywood glu** Gi Kvtr j vM | Gu GKU mLei Kvi Y mvari YZ Mtgi AvVv t tK GB AvVv e euZ ntZv | Gu thgb evqej tZgbx mi ei vtn l mgi v |

Report: <http://www.ars.usda.gov/is/pr>

Leit Gikqv l clvš-gnvmMi xq AAj

wftqZvbtgi cii tek gšx evtqvUK wbi vcEv AvBb %Zi x Kti tQ

wftqZbvq mi Kvti i gšx v tktl i mbvtn wguUs Kti wQ GeO GLvib wRGgl Gi evcti Avtj vPbv Kti wQ | **Nguyen Xuen Cuong** GKRb clKwZK meut i clZgšx etj tQb Kwl t tRtR wRGgl clqvMi Rb h_vh_ wbi vcEv AvBb l wbgstbi clqvRb | GB Rb Zvi v GKU **Biosafety Decare** Gi Rb Lmov ^Zi x Kti tQ tmU AvMvgx gvtm Rgv w te |

Original Article: <http://xttmnew.agroviet.gov.vn/TestE/load/tn-spec-nodate-detailTP.asp?tn=tn&id=264083>

fvi tzi cPwv Z extRi Zj bvq DbZgtvbi extRi Dci, i vZvti vc

The Indian Council of Agricultural Research (ICAR) Kul i Rb exR ^Zi x t vMv w t q K.I.Kt i fij exR e envti i Rb mtPZbv Mto Zi tQ GB clkt i gva tg fvj tRtU. Gi Dbgtvbi exR ^Zi x Ki te hvZ K.I.Kt i Lvgti clZ exR Avi e envti bv Kti |

Details: <http://www.icar.org.in/news/Replace-farm-saved-seeds%20.htm>

Email: b.choudhary@cgiar.org and k.gaur@cgiar.org

Leit BDti vc

BZvj xi DĒi vĀtj **Western Corn Root Warm** Gi e'vcK ¶WZ mvab

The Western Corn Root Warm (*Diabrotica virgifera*) n'Q wek|tek ¶WZKvi K tco hv BZvj xi **Lombardy** tZ dmtj i e'vcK ¶WZ mvab Kti tQ| GKWU **Article** G ej v nhtQ GB **Root Worm** Gi Rb GB eQt i 30% dmtj i ¶WZ mvabZ ntqtQ| 1990 mvtj i w' tK BDti vtcB cuOgvĀtj G, tj v cġg t' Lv WtqtQj | eZgvtb GB **Root Worm** , tj v BZvj x, dvt'Y, **Uk**, tej WRqvg l tb` vi j` vtU e'vcK ¶WZ Kti tQ|

Original Article: <http://www.gmo-safety.eu/en/news/714.docu.html>

Mtel Yv

Bu ti i Dci **Virus** cġZti va m'ubewRGg tctc

RvgvBKv **University of West Indies** U'YtRwbK tctcu th, tj v wi s` uU fivBi vm cġZti va m'ubetm, tj v B` ti i **Gastrointestinal trust** Gi Dci Mtel Yv Kti t' Lv ntqtQ| GLvtb t' Lv WtqtQ G, tj v mvavi Y RvtZi gZ GeO G, tj v tKvb ¶WZ Kti bv|

Study Published by Transgenic Research: <http://dx.doi.org/10.1007/s11248-009-9317-5>

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

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www.bdbic.org: ejsj vt' k eitqitUKtbyj W R Z` tK` KZK mKj i e'enti i Rb l tqe

www.isaaa.org: ISAAA m'uitK' mKj Z` , Crop Biotech Update: eitqitUK dmtj i wek|cni i' tzi l tqe

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