



# 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

16 At±vei 2009

### Lei

ৱেক্টি Kull tZ Drcv` b eixi ctiqrB  
ৱেক্টি ৱিবি t`tki Zwj KvckKv

AwcdKv ৱej tMUmAwcdKvi Kull Dbeq̄tbi Rb` c`v̄tKR Dbt̄j̄ Kti t̄Q  
AwcdKvi me m̄vvi vGes f̄vi t̄Z km` Drcv` b eixi ctk̄i

Avt̄gvi Kv ēwRt̄j̄ ৱZb̄U ৱRGg k̄tm̄i Ab̄t̄gv` b  
**ARS** Kb̄j̄ vBb evRvi RvZ Kti t̄Q th̄ t̄j̄ v **Aflatoxin** c̄lZ̄ti va m̄ēub̄e  
**USDA** Kull t̄Z **Plants Genomics Genetics and Breeding** M̄tel Yvi Rb` Ab̄j̄ vb c̄l vb Ki t̄e

Gw̄kqv̄ l c̄k̄v̄š- c̄iōg At̄ōlj̄ qvGes ৱRGg ch̄j̄<sup>3</sup>  
gn̄vm̄Mi xq AĀj̄

BD̄ti vc Rv̄ḡb̄x̄ ৱRGg ḡUi ī ৱU Av̄t̄gvi Kv̄Z̄ c̄i x̄ ৱv̄ḡK P̄vl  
**Bayer Rapseed** Gi m̄ēuȲ ৱR̄t̄b̄ig Ab̄j̄j̄g Kti t̄Q

### M̄tel Yv

M̄t̄Q̄i v̄c̄t̄ki M̄Q̄iŪt̄K ৱP̄b̄t̄Z̄ c̄t̄i  
ৱēAv̄xi v̄ **Cowpea** t̄R̄t̄biUK ḡvc m̄ēuȲK̄ti t̄Q

## ৱe` ৱi` Z

### Lei t ৱেক্টি

Kull t̄Z Drcv` b eixi ctiqrB

RbmsL̄v̄ eix̄, ḡv̄b̄t̄ i Av̄q̄ eix̄ Ges b̄Mi v̄qb̄ eix̄i m̄t̄\_ Kull Drcv` b eixi ctiqrB| GB e<sup>3</sup> ēuU c̄l vb Kti t̄Q,  
**FAO** Gi gn̄v̄ci P̄j̄ K **Jaques Diouf** ti v̄t̄ḡ| GB P̄v̄t̄j̄ Ā ī aḡv̄i Drcv` b eixi Rb` b̄q̄ ei s̄ ḠuU Av̄t̄i v̄ t̄ L̄vi  
c̄t̄iqrB th̄, ḠuU t̄K̄v̄v̄q̄ t̄eik̄ c̄t̄iqrB| ḡw̄j̄ v̄, ৱi`<sup>3</sup> K̄l̄K Ges M̄t̄gi Mi xe ḡv̄b̄t̄ i ৱ` t̄K̄ ৱet̄kl̄ b̄Ri t̄ l̄ qv̄c̄t̄iqrB|

**FAO press release:** <http://www.fao.org/news/story/en/item/36193/icode/>

ৱেক্টি ৱিবি t`tki Zwj KvckKv

29uU t`tk Gi ḡt̄a` K̄t̄½v̄, ēj̄ ৱU, B̄īl̄ qv̄, ৱm̄t̄qi v̄w̄j̄ l̄ b̄m̄` Ges B̄īl̄ ৱrc̄q̄L̄p̄ t̄eik̄ ḡv̄i v̄q̄ ৱīv̄q̄ Av̄m̄v̄š̄t̄-k̄| ĀīaK̄š̄1990  
m̄j̄ t̄t̄K̄ 13uU t`tk t̄eik̄ ḡv̄i v̄q̄ ৱīv̄q̄ Av̄m̄v̄š̄t̄K̄vb̄ t̄ k̄ ৱīv̄q̄ t̄eik̄ Av̄m̄v̄š̄t̄j̄ ৱj̄ ½ Am̄ḡZ̄v̄, Āīkā ৱīZ̄ l̄ ৱ` ৱMZ̄ m̄gm̄v̄  
t̄ L̄v̄t̄` q̄l̄

**IFPRI Press Release:** <http://www.ifpri.org/pressrelease/2009-global-hunger-index-call-attention-gender-inequality-need-empower-and-educate-wom>

### Lei t AwcdKv

ৱej tMUmAwcdKvi Kull Dbeq̄tbi Rb` c`v̄tKR Dbt̄j̄ Kti t̄Q

**Bill Gates- Bill and Melinda Gates Foundation** Gi **Co-chair** m̄eR̄ ৱect̄ei t̄N̄l̄ Yv̄ ৱ` t̄q̄t̄Qb- ৱesk̄ k̄Z̄w̄ā̄ i  
m̄et̄P̄t̄q̄ eo m̄id̄j̄` me ḡn̄v̄t̄` t̄k̄ b̄v̄ t̄c̄S̄ōt̄b̄ri Rb` Ges 25 ēōt̄i ī ḡt̄a` m̄et̄P̄t̄q̄ t̄eik̄ Drcv` b̄ n̄l̄ q̄v̄i Rb` 120 ৱḡw̄j̄ q̄b  
W̄j̄v̄t̄i ī 9uU Ab̄j̄ vb̄ c̄l vb̄ Kti t̄Q| GB c̄v̄t̄K̄t̄Rī ḡt̄a` ৱj̄ ḡ th̄ t̄j̄ v̄ ḡw̄Ūt̄Z̄ b̄v̄B̄t̄Ūt̄Rb̄ m̄sēÜb̄ Ki t̄e| he Ges  
ḡv̄B̄t̄j̄Ūi D`P̄ Drcv` b̄ km̄ R̄v̄Z̄| ৱḡw̄ó Av̄j̄ yth̄ t̄j̄ v̄ t̄c̄ō c̄lZ̄ti va m̄ēub̄aGeO D`P̄ ḡv̄i vi ৱfŪw̄ḡb̄ m̄ḡx̄|

**Gates Speech Available:** <http://allafrica.com/stories/200910150780.html?page=2>

AmidKvi mve mrvni v Ges fvi tZ km Drcr` b eixi cKí

**International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)** GKIU dKí i gra'tg AmidKvi ¶i vGj vKvq Ges `¶i b GwKqvtZ Lv` "ubi vcEveix Ki tZ hnt"Q|

Press Release: <http://www.icrisat.org/Media/2009/media19.htm>

## Leit Avtgui Kv

e¶Rtj ¶ZbiU ¶RGg ktm`i Abtgv` b

e¶Rtj ¶ZbiU ¶RGg ktm`i Abtgv` b **CTNBio, the Brazillian National Technical Commission on Bios and Dow's Streaked Trial Com TCI 507 × NX603 Dow's GM Com** ,tj v **CryIF** tclU b cKvk Kti G ,tj v **European Corn Borer** cZti va mæúbeGes Ab'v` tj ¶ctWctUi vb cZti va mæúbe **PAT and EPSP5** tclU bM ,tj v **Glufosinate and Glyphosate hexbrids** cZti va mæúbe

Read: [http://www.agrobio.org/index.php?option=com\\_content&task=view&id=7528&Itemid=25](http://www.agrobio.org/index.php?option=com_content&task=view&id=7528&Itemid=25)

**ARS** Kb¶ vBb evRvi RvZ Kti tQ th ,tj v **Aflatoxin** cZti va mæúbe

**US Department of Agricultural Research Service (ARS)- Nigeria Based International Institute for Tropical Agriculture (IITA)** ¶U bZb **Inbred KY¶ vBb evRvi RvZ Kti tQ|** G ,tj v **Aflatoxin** cZti va mæúbe **Aflatoxin** GKIU kv<sup>3</sup> kvj x ¶el v<sup>3</sup> c`v`¶hv gvt¶i K'v'Yvi `Zi xi Rb` `vqx| GB Ur` b GiU *Aspergillus flavus* t`tK `Zi x nq Ges c¶vbZ **Cowpea, Groundnut, Yam** Ges KY¶Zi x nq|

Read: <http://www.ars.usda.gov/is/AR/archive/oct09/corn1009.htm>

**USDA** Kw¶ tZ **Plants Genomics Genetics and Breeding** M¶el Yvi Rb` Abj vb cl vb Ki te

**USDA's National Institute of Food and Agriculture (NIFA) Program** 14 ¶U ¶ekt¶ `vj tqi gra'tg clq 7 ¶gvj qb Wj vi Abj vb cl vb Ki te| GB Abj` b Dv`¶ M¶el Yv¶etKl Kti , ¶Rtbg t`tK gv¶ ¶h¶ GeOD`P Drcr` b nvm, t`m cZti va mæúbe¶etKl Kti ¶i v l j ebv<sup>3</sup> cZti va mæúbeRvZ `Zi xi Rb`Li P Ki vnt¶|

Article: [http://www.csrees.usda.gov/newsroom/news/2009news/10142\\_plant\\_genetics.html](http://www.csrees.usda.gov/newsroom/news/2009news/10142_plant_genetics.html)

## Leit GwKqv l ckvš-gnvmMi xq AÂj

c¶Ög A'tó¶j qv Ges ¶RGg ch¶<sup>3</sup>

A'tó¶j qvi c¶ÖgvÂtj ¶RGg ch¶<sup>3</sup> i Dci ¶etKl , i "Zi AvtQ| **Dr. Sue Sutherland Biotechnology Manager** etj tQ b GiU Avt v Zi ¶SZ nt"Q Kv Y i vR`mi Kv c¶ÖgvÂtj A¶ gv¶ vi ¶RGg K'vtbvj v P¶i i Rb` Abg¶Z ¶ tqtQ|

See: [http://www.agric.wa.gov.au/PC\\_93650.html?s=655456743](http://www.agric.wa.gov.au/PC_93650.html?s=655456743)

## Leit BDti vc

Rvg¶x ¶RGg gUi i ¶U Avtgui KvZ ci x¶¶vgK Pvl

**Leibniz University's Institute for Plant Genetics** ¶RGg gUi i ¶Ui Avtgui KvZ ci x¶¶vgK Pvl Ki te Kv Y Rvg¶xZ ¶RGg Pvl S¶K Ges i vR`¶ZK Amg`b| **Hans-Jorg Jacobsen** Ges Zvi mnthMx clq GK eQi h¶er ti ¶ cZti va mæúbeGes D`P Drcr` b¶¶g gUi i ¶Ui RvZ `i Zx Ki tQ| GB ¶eAvb ¶¶bnD¶R ¶KQ`Zi xKZ RvZ c¶¶v Kti t`tLQ G ,tj v clvMvj ti ¶ cZti va mæúbe

Original Story: <http://www.gmo-compass.org/eng/news/468.docu.html>

**Bayer Rapeseed** Gi mæúY¶Rtbg Ab¶g Kti tQ

ev¶i ¶c mtq Y`¶¶¶ Yv¶¶ tqtQ Zvi v **Rapeseed (Brassica napus)** Gi mæúY¶Rtbg ¶mKtq Y Kti tQ| GB c¶i tcl¶¶Z mæúclZK M¶el Yv l cRb¶b AtbK m¶eavnt¶ Ges GB c¶U¶tK g¶Wj vntm¶e e`envi Ki vht¶|

Press Release: [http://www.bayercropscience.com/bcsweb/cropprotection.nsf/id/EN\\_20091009?open&l=EN&ccm=500020](http://www.bayercropscience.com/bcsweb/cropprotection.nsf/id/EN_20091009?open&l=EN&ccm=500020)

## Mtel Yv

MtQi v cvtki MvQvUfK vPbtZ cvti

“B” j Mtel K Mtel Yv Kti t tLto MtQi v Zvi vbtRi tMt i MvQvUfK vPbtZ cvti Ges hLb vbtRi tMt i MvQ\_vfK ZLb Zvi vci ui ci ui tk qvZ Kti brei s Dckvi Kti vKs hLb ejS Ab tMt i MvQ cvti k AvtQ ZLb Avevi cvb vbtq cZti vMzv Kti Ges z evotZ Pvq hvZ cvtki MvQvU qvZ nq

**News:** <http://www.udel.edu/udaily/2010/oct/plantsiblings101409.html> or The full article will be available at: <http://www.landesbioscience.com/journals/cib/article/10118/>

## veAvbxi v Cowpea tRtbiUK gvvc mavvYKti tQ

**California Riverside** veAvbxi v Cowpea Gi high density linkage map mavvYKti tQ | Cowpea GKvU tcvUv mgx fvj Ges AtbK gvbt i cjo thvMvq GeO GvU qv i v cZti va mavvbaGes Gvkvq, j vUv Avtgvv Kv I mve-mvvi v AAj fvj Rtbt

**Original Story:** <http://www.universityofcalifornia.edu/news/index.php> Paper published by PNAS: <http://dx.doi.org/10.1073/pnas.0905886106>

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

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