



evtqvʃUK dmtj i eZḡvb Aeᶿv

“ISAAA Gi dmtj ᶿRe chʃi i nek! Ḃvb ʃKᶿ ᶿKZḲ i vPZ DbḡbKxj
ʃ ʃki Kml -%Re chʃi Dᶿᶿetbi nek! cwi wᶿzi mvi vsk”



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

AvMó 10, 2012 Bs

ᶿkʃi vbg

Lei

nek! ᶿᶿᶿb Gukqv I AwdKvq Dbzʃ tj ᶿUb RvʃZi AwaK dbj

- AwdKv**
- ᶿvBivm cḲZʃivaK Kvmvʃvi cixᶿᶿvq ʃvʃj v dj vdj cvl qv ʃMʃQ
 - DMvUʃZ ᶿfUwgb G Gi NvUwZ KugʃqʃQ
 - Mʃel Kiv etj ʃQb ᶿRe chʃi i ʃKvb cwi tekMZ ev ᶿᶿᶿMZ SʃK ʃbB
 - mʃxgZ Ḃvʃbi Kvi ʃb Riechʃi i MvZ AwdKvʃZ Kʃg GʃmʃQ- ej ʃj b ʃKubqv i gʃᶿ
 - ᶿRʃvbg ᶿmKʃqʃvʃs AwdKvʃZi Kʃj vi Drcvᶿ b evotʃZ mᶿᶿᶿ

Avʃᶿwi Kv ᶿᶿᶿᶿᶿv Kʃg ᶿᶿ Mibbʃᶿ Dᶿᶿᶿ Dᶿᶿᶿeb Kʃi ʃQb hv ᶿReRʃj vbx ᶿZi ʃZ mrvʃᶿ Kʃi ʃe

Gukqv I cʃiᶿsgnvmMiq AĀj

- Mʃel Kiv C4 avb cKʃi ʃK AvʃᶿbKvqʃ Kʃi ʃQb
- ᶿʃʃqZbʃᶿgi Kml ᶿekʃi A: evʃqʃUK kmᶿ ᶿvl
- ICRISAT cKʃi ʃvi ʃZ mi Mʃᶿgi Drcvᶿ b evᶿ Kʃi ʃQ

BDʃivc cZMʃj evʃqʃUʃKʃi ᶿi ʃcUᶿᶿKvʃ Kʃi ʃQ

Mʃel Yv ᶿᶿᶿᶿᶿv ᶿRGg UʃᶿᶿUvi **transgene flow** Ges Lvᶿ ᶿvʃᶿmi Dci Mʃel Yv Kʃi ʃQ

- v **Insect predator** Gi Dbḡḡ Ges cʃ: Drcvᶿ ʃb ᶿᶿᶿᶿ fʃvi cʃᶿe

ᶿᶿᶿz

nek!

ᶿᶿᶿᶿb Gukqv I AwdKvq Dbzʃ tj ᶿUb RvʃZi AwaK dbj

The International Center for Agricultural Research in Dry Areas (ICARDA), ᶿᶿᶿᶿb Gukqv Ges AwdKvi mrvqZvq AwaK dj bKxj GKᶿᶿ tj bᶿᶿᶿ RvʃZi Dᶿᶿᶿeb Kʃi ʃQ hv ᶿᶿᶿᶿb AwdKv Ges ᶿᶿᶿᶿb Gukqv i gZ Rvqᶿvq AwaK Drcvᶿ b Kʃi ʃZ mᶿᶿᶿᶿ | ᶿᶿᶿᶿb Gukqv, ICRDA evsʃ ᶿᶿ ʃk Kml Mʃel Yv cḲZḡᶿbi (BARI) mrvqZvq Dᶿᶿᶿ dj bKxj , ᶿᶿᶿᶿ dj bKxj I ʃivm cḲZʃivaᶿᶿᶿ tj bᶿᶿᶿ RvʃZi Wʃj Dᶿᶿᶿeb Kʃi ʃQ | evsʃ ᶿᶿ ʃki ᶿᶿᶿᶿ Pvl xivl tj bᶿᶿᶿ RvʃZi Wʃj Pʃʃl AvMḡx nʃqʃQ | Mʃel Yvq ʃᶿ Lv ʃMʃQ 5.5 ᶿᶿᶿᶿ qb K.L.K hvi gʃᶿᶿ ᶿᶿᶿᶿ qb ᶿᶿᶿᶿ K.L.K BARI/ICARDA Gi mgʃᶿᶿK cʃᶿᶿᶿ ʃZ DᶿᶿᶿeZ tj bᶿᶿᶿ RvʃZi Wʃj Pvl Kʃi ʃQ |

For more information, visit <http://www.cgiar.org/consortium-news/the-magic-of-the-humble-lentil/>

AwdKv

ʃvBivm cḲZʃivaK Kvmvʃvi cixᶿᶿvq ʃvʃj v dj vdj cvl qv ʃMʃQ

Kvmvʃvi Drcvᶿ ʃbi GKᶿᶿ eo Aʃᶿᶿvq nj Gi Brown Streak Virus | ʃvBivm cḲZʃivaK Kvmvʃvi RvZ Deʃᶿᶿᶿᶿ Donald Danforth Plant Science Center Zvʃᶿ i cKᶿᶿᶿZ GK ᶿi ʃcʃUᶿᶿetj ʃQb th, Gi ᶿvᶿ chʃᶿᶿ cixᶿᶿᶿ ʃb ʃvʃj v dj vdj cvl qv ʃMʃQ | ʃvBivm cḲZʃivaK Kvmvʃvi RvZ Dᶿᶿᶿetbi ʃᶿᶿᶿ I ᶿRb mvBʃj ᶿᶿs A_ev RNAi cʃᶿᶿᶿ eᶿenvi Kiv nʃqʃQ |

Read more at http://www.danforthcenter.org/wordpress/?page_id=395&pid=10522

DMvUʃZ ᶿfUwgb G Gi NvUwZ KugʃqʃQ

Harvest Plus nʃj v CGIAR Mʃel Yv ʃcḲḲᶿᶿgi GKᶿᶿ cKʃi hv cʃᶿᶿ I ᶿᶿᶿᶿᶿi RbᶿKml kxʃᶿ cKʃi ᶿbʃq KvR Kʃi | GB cKʃi ᶿᶿ Kᶿj v i ʃᶿᶿi ᶿᶿᶿᶿ Avj ᶿᶿᶿᶿ KvR Kʃi ʃQ Gᶿᶿ ᶿᶿ Lvi Rbᶿᶿ th, Gi ᶿfUwgb G Gi cḲᶿᶿZv ʃKgb Ges ᶿfUwgb G Gi NvUwZ cʃb Kʃi ʃZ cʃᶿi ᶿKbv | ᶿZb eQi Mʃel Yvi ci Gi dj vdj ᶿbDᶿᶿᶿᶿ bvgK Rvbᶿᶿ cKᶿᶿ ʃcʃqʃQ ʃhLvʃb evj nʃqʃQ Kᶿj v i ʃᶿᶿi ᶿᶿᶿᶿ Avj ʃZ cʃᶿi cwi ᶿᶿᶿᶿ ᶿfUwgb G i ʃqʃQ hv DMvUʃi bʃix I ᶿkʃi ʃi Acʃᶿᶿi mvZ ʃᶿᶿ Kʃi ʃe |

View HarvestPlus' news release at <http://www.harvestplus.org/content/orange-sweet-potato-makes-case-biofortification-works>. For more information, contact Yassir Islam at y.islam@cgiar.org

Mtel Kiv etj tQb ^Re c^hy^3 i tKvb cwi tekMZ ev ^v^MZ S^k tbB

%Rech^3 i Mtel K c^dmi Rbv_b c^wW u_ m^c^Z NvbtZ AbyoZ m^s^j tb etj tQb wRGg Lv^ i tKvb ^v^MZ S^k tbB | c^dmi Rbv_b c^wW u_ Avt^v etj tQb evtq^tUK Lv^ evRi RvZ Kivi Avt^M cix^v Kiv ntq^tQ Ges Avt^gwi Kv, KvbwW, e^wRj, fvi Z Ges P^bmn w^t^k^i 16uU t^tki m^vavi Y RbMb GB wRGg Lv^ tL^tq^tQ wK^S GLb ch^S-tKvb t^wZevPK c^fve t^ Lv hvq^b |

To read more about Professor Tetteh's speech, go to <http://www.ghananewsagency.org/details/Health/Biotechnology-has-no-health-and-environmental-hazards-Expert/?ci=1&ai=47307>

m^w^Z Avt^bi Kvi t^b R^ech^3 i M^Z Av^dK^v^Zi K^t^g G^t^m^t^Q- ej t^j b t^k^vb^qvi g^S^x

t^k^vb^qvi g^w^S^i c^dmi t^gM^t^iU K^v^gvi, w^Av^b^x l evtq^tUK Av^g^jv t^k^b^t^ i w^t^q Avt^j v^P^b^i Avt^q^vR^b K^t^i^t^Q^b t^hLv^t^b evtq^tU^t^Ki D^cK^v^i^Z^v m^u^t^K^g^v^b^t^l^i avi Yv l Z_ t^e^t^o hvq^ | g^S^x Avt^v etj b ^Rech^3 i Z_ Av^v^b-c^d^v^t^bi d^t^j %Rech^3 i c^d^q^m evor^t^Z mi Kivi w^e^b^t^q^v^M evor^t^Z m^t^p^o n^t^e | t^k^vb^q^v ^Rech^3 t^Z w^e^b^t^q^v^M Ki^t^Q K^w^l R, w^k^i, c^w^i^t^e^k m^j ^v Ges ^Re^w^P^I D^b^t^b^i R^b^ |

For more details contact Jonathan Odhong of ISAAA AfriCenter at jodhong@isaaa.org

w^R^t^b^v^g w^mK^t^q^w^Y^s Av^dK^v^Zi K^j vi D^r^c^v^ b evor^t^Z m^q^l^g

Av^S^R^w^ZK^f^v^t^e m^v^d^t^j i R^b^ d^t^Y^i K^w^l M^t^e^l Yv t^K^ ^a Ges w^R^t^b^v^t^v^t^c^i w^Av^b^x^i^v m^d^j f^i^t^e K^j vi m^u^Y^w^R^t^b^v^g w^R^k^t^q^Y A^w^e^w^i K^t^i^t^Q^b hv K^j v M^t^e^l Yvi t^q^t^I b^Z^b g^v^I^v m^s^t^h^v^R^b K^i^j hv K^j vi c^R^b^t^b^i t^q^t^I m^v^v^h^ K^i^t^e | M^t^e^l K Angelique D^Hont M^t^e^l K^t^ i ^t^j i c^d^v^b etj tQb t^h M^t^e^l Yvi d^j v^d^j 11 R^j v^B t^b^P^i R^v^b^t^j c^k^w^k^Z n^t^q^t^Q t^hLv^t^b t^_t^k w^Av^b^x^i^v K^j vi w^e^f^b^d^M^t^e^l Yvi K^v^t^R m^v^q^Z^v c^v^t^e^b |

Story adapted from *SciDev.Net* - <http://www.scidev.net/en/agriculture-and-environment/agri-biotech/news/genome-sequencing-could-boost-african-banana-production-1.html>, full study in *Nature*: <http://www.nature.com/nature/journal/v488/n7410/pdf/nature11241.pdf>

Avt^gwi Kv

w^Av^b^x^i^v K^g w^j M^u^b^b^h^3 D^w^m^c D^m^v^e^b K^t^i^t^Q^b hv ^ReR^j^v^b^x ^Z^i^x^Z m^v^v^h^ K^i^t^e

US Department of Energy's Brookhaven National Laboratory (BNL) Gi w^Av^b^x^i^v G^K^U^v b^Z^b G^b^R^v^B^g D^m^v^e^b K^t^i^t^Q^b hv D^w^m^c i t^K^v^l c^f^G K^i^U^v D^c^v^v^b w^j M^u^b^t^k t^X^t^k i^v^t^L | w^j M^u^b^b D^w^m^c i evtq^v^g^v^m ^Z^i^x K^t^i hvi K^v^i^t^b D^w^m^c t^_t^k ^Re R^j^v^b^x c^v^l q^v K^i^w^b n^t^q c^t^o | G^b^R^v^B^g^U^v w^j M^u^b^t^b^i c^w^i g^v^b K^u^g^t^q t^q Ges D^w^m^c i evtq^v^g^v^m t^_t^k ^Re R^j^v^b^x D^r^c^v^ t^b m^v^v^h^ K^t^i | G^B G^b^R^v^B^g^U^v w^j M^u^b^t^b^i c^w^i g^v^Y K^u^g^t^q t^q w^k^S^w^j M^u^b^t^b^i M^V^b D^c^v^v^b A^c^w^i e^Z^Z ^v^t^k |

More details about this research is available at http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=1439&template=Today

G^u^k^q^v l c^k^v^S-g^v^m^v^M^i^x^q A^A^j

Mtel Kiv C4 avb c^k^i t^k Av^a^b^K^v^q^b K^t^i^t^Q^b

w^e^f^b^d^M^t^e^l Yv t^K^t^ ^i w^Av^b^x^i^v P^j g^v^b C4 avb c^k^i t^k Av^a^b^K^v^q^b K^t^i^t^Q^b hv K^i^v n^t^q^t^Q Av^S^R^w^ZK avb M^t^e^l Yv c^Z^o^v^b ev IRRi Gi t^b^Z^t^Z^j | w^Av^b^ b^v^g^K R^v^b^t^j G^K^U^v t^c^c^v^i c^k^v^k t^c^t^q^t^Q t^hLv^t^b D^t^j ^-K^i^v n^t^q^t^Q w^R^b _t^j vi m^b^v^3 K^i^Y l c^k^S^k^t^j i d^t^j avt^b^i A^w^a^k ^l^g^Z^v m^u^b^e^m^v^t^j v^k^m^s^t^k^t^b c^d^u^q^v A^_v^e C4 c^x^w^Z c^v^l q^v hv^t^e | D^b^z^ m^v^t^j v^k^m^s^t^k^t^b ^l^g^Z^v^i d^t^j avt^b^i M^V^b D^r^c^v^ b evot^e |

To access the full paper on C₄ Rice Project, go to <http://www.sciencemag.org/content/336/6089/1671.full>

w^f^t^q^Z^b^v^t^g^i K^w^l w^e^t^k^l A^: evtq^t^U^K k^m^ ^v^l

evtq^t^U^K f^A^v t^i^v^c^b K^i^v ^b^ e^Q^i c^i e^s^k^M^i^Z^i K^w^l w^f^i^E^K c^Z^o^v^b w^b^o^Z n^t^q^t^Q^b t^h, ^Rech^3 M^Z f^A^v^i c^w^i^t^e^t^k^i D^c^i t^K^v^b t^b^w^Z^e^v^P^K c^f^v^e t^b^B e^i^s Z^v ^Rech^3 P^r^o^v D^m^w^e^Z f^A^v^i t^p^t^q t^e^k D^b^z^ | 1996 m^v^j t^_t^k G^L^b ch^S-A^t^b^K R^v^q^M^v^q evtq^t^U^K f^A^v^i g^w^ c^i^x^v^v^ K^i^v n^t^q^t^Q Ges G^L^b^B D^c^h^3 m^g^q G^U^v c^d^v^b K^i^v t^h, ^Rech^3 M^Z k^m^ g^v^b^e^m^c^ ev c^w^i^t^e^t^k^i D^c^i t^K^v^b t^b^w^Z^e^v^P^K c^f^v^e t^b^B |

Original article at <http://english.vietnamnet.vn/en/science-technology/25376/vietnam-goes-ahead-with-gmo-development-plan.html>

ICRISAT cKÍ fvi tZ mi Mtgi Drcv` b ewx Kti tQ

The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) cKÍ mi Mtgi Drcv` b evotZ mFg wQj | Zviv km` e`e`vcvbi Dbqb Kti Gi evRvi RvZKiY mjbwÖZ Kti wQj hvi dtj 2010 mtj mi Mtgi Drcv` b 40% teto wMtqQj |

See CGIAR's news release at <http://www.cgiar.org/consortium-news/hope-leads-to-increased-sorghum-yields/>

BDti vc

cZMvj evtqvUti Ki wi tcvU`cKvk Kti tQ

USDA Foreign Agricultural Service cZMtj i Rb` wek| Kw Z` tk` i wi tcvU`cKvk Kti tQ | cZMvj `Re cthp`i km` D`v`eb BDti vcxq BDwbqti t`k` tji wZxq `v`b hvi Drcv` b 65% chS`-tetoQ Ges K.I.Kt` i Zt`i wfiÉtZ G Z` cKvk Kiv ntqtQ |

More info http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Portugal%20Biotech%20Standing%20Report_Madrid_Portugal_6-19-2012.pdf

Mtel Yv

weÁvxi v wRGg UtgtUvi **transgene flow** Ges Lv` vfv`mi Dci Mtel Yv Ki tQ

%Rechp`MZ km` Drcv` tbi GKUv eo Amjeav nj cwi t`k` wRtbi c`ve Qwoq cov hv Pollinator Gi fygKv`K bó Kiti cti | wRb t`v` evtqvUti K UtgtUti Z` xN`cix`v bq | Italian National Agency for New Technologies (ENEA) Gi weÁvxi S. Arpaia Ges Zvi mnthwxi v Ab` Sexually compatible MvtQi Dci evtqvUti UtgtUvi wRb t`v`i m`v`ebv wbtq Mtel Yv Ki tQ thLv`b Zviv tcvKvgvKo cÖZivax UtgtUvi mvt` Cry3Bb2 wRbtK gtWj wntmte e`envi Kiti tQb | weÁvxi v wRGg UtgtUvi Dci GB Mtel Yvi t`tK cthvY tctqtQ th, evtqvUti K UtgtUvi t`tK eY` RvZi ktm` tKv wRb Qwoq ctoib ev mskivq NtUwb |

Read the abstract of the study at <http://onlinelibrary.wiley.com/doi/10.1111/j.1744-7348.2012.00559.x/abstract>

Insect predator Gi Dbqb Ges cp:Drcv` b weU f`vi c`ve

de Lleida wekpe``vj tqi Mtel K Belen Lumbierres Ges Zvi mnthwxi v GKUv cix`v Pwj tqtQb th, evtqvUti K Ges bb` evtqvUti K Lv`` Lvl qv`vbi ci Pirate bug (*Orius majusculus*) Gi Gi cp:Drcv` b Ges nymphal Dbqti Dci wK c`ve cti? cieZ`Z Zviv Pirate bug Gi MVb, w`tK `kvi` vlgZv AvKwZ chfe`vbm Gi I Rb tgic t`tL`Qb | dj vdtj t` Lv` tM`Q th, wKwmi i Pirate bug Gi Dci BwZevPK c`ve ctoQ Ges Gi w`v`j Dbqb Ktg tM`Q we`kl Kti hLb evtqvUti K MvtQi Ask tL`tQ |

Read the research article at <http://www.sciencedirect.com/science/article/pii/S1049964412001600>

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

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www.bdbic.org: বাংলাদেশ আয়োজিকনোমালিস তথা কেন্দ্র কল্লিক সর্বকালের আবহাওয়ার জন্য ওয়েব

www.isaaa.org: ISAAA কল্লিক সর্বকালের তথা কেন্দ্র কল্লিক সর্বকালের আবহাওয়ার জন্য ওয়েব

www.agbios.com: কৃষি আয়োজিকনোমালিস ওয়েব

bdbic@googlegroups.com: বাংলাদেশ আয়োজিকনোমালিস তথা কেন্দ্র কল্লিক সর্বকালের আবহাওয়ার জন্য গ্রুপ মেইল

info@isaaa.org: ISAAA এর কোনও তথ্য বা প্রকাশনার জন্য