



evtqvtUK dmtj i eZgvb Ae`v

ISAAA Gi "dmj `Re chv` i nek!Avb tk` a KZK i wZ Dbqbkxj t`tki Kul`-Re chv` D`m`v`bi nek!cvi w`zi mvi vsk|

gvP`16, 2007

GmsL`vi vktj vbg`

Lei

nek! ebRm`u` Dbqtb evtqvtUK chv` i e`envi

Avtgvi Kv - Kj w`qv wRGg f`fvi Abtgv` b w` tqtQ

- j`v` v`v`h`y` Clearfield 131 avb ktm`i m`v`c`ZK Lei

- q`iz` Avi GbG mg`ni e`envi i gva`tg av`bi GKwU vekvj WwUv`mU D`m`v`b

Gikqv l c`kvš`-gavmMlxq - fvi Zxq Kul g`S`etj b w`v`U Zj vi t`Kvb q`w`ZK i c`f`ve`tbB

- nvr`v`v` av`bi RvZ i q`l`v`q` `w`f`g`v`x`P`v`

- CSRIO 0vi v`b`Zb Zj vi RvZ D`m`v`b

BD`i`vc - ti vgw`b`q`v` GKv`f`W`g`x`n`z` K`v`B`f` t`R`g`m`m`v`w`Z` n`t`j` b

M`te`l`Yv

- b`Zb` c`i`K`w`Z`K` B`b`tm`K`w`U`m`v`B`W` w`nt`m`te` f`q`%`i` t`c`i`U`b` D`m`v`b

- Rv`g`b`x`Z` w`v`U` Ges`b`b`w`v`U` f`f`vi` m`v`e`v`b` c`i`x`q`l`v` K`i`v`n`t`q`i`Q

- t`m`v`i` b` B`w`U`K`v` av`bi RvZ D`m`v`b

w`e`Av`B

- b`Zb` Z`i`b` Kul w`e`Av`b`x`v` i` R`i`c`v`b`i` R`v`Z`x`q` c`i`y`v`i

Lei

nek!

ebRm`u` Dbqtb evtqvtUK chv` i e`envi

evtqvtUK chv` e`envi K`ti` e`t`bi` M`v`Q`c`v`j` v`t`K` t`v`M` l` t`c`v`K`v`g`v`K`o` c`i`Z`i`v`a`q`l`g` K`ti` t`Z`j`v` t`h`Z` c`v`i` | G`O`v`o`v`l` evtqvtUK 0vi v` M`v`Q`c`v`j` vi` m`v`t`j` v`K`m`st`k`-l`Y` q`l`g`Z`v` e`w`o`t`q` t` q`v` t`h`Z` c`v`i` h`v`i` d`t`j` evtqvgv`m` D`r`c`v` b` t`e`t`o` h`v`te` Ges`GB` A`w`Z`w`i`³ evtqvgv`m` A`v`g`v` i` `Re` R`y`j` v`b`x` P`w`n`v` t`g`U`r`e`| M`v`Q`t`K` w`e`f`b`e`i` K`g` c`x`o`b` t`h`g`b` A`w`Z`w`i`³ j` e`b`v`³ Z`v` e`v` L`i`v` c`i`Z`i`v`a`q`l`g` K`i`v`i` R`b`l` M`t`e`l`Y`v` n`l` q`v` c`i`q`v`R`b`| G`t`Z` c`w`Z`Z` R`w`g` t`j` v`t`Z` e`b`v`q`b` K`i`v` h`v`t`P`| w`e`Z`w`i` Z` : <http://www.springerlink.com/content/7207283465138314/>

Avtgvi Kv

Kj w`qv wRGg f`fvi Abtgv` b w` tqtQ

Kj w`qv B`w`v`w`J`D`U` Ae` G`M`w`i` K`v`j` P`v`i` (ICA) t`tki` w`b`w` 0` w`K`O`y`G`j` v`K`v`q` t`h` `w`l` t`c`v`K`v`g`v`K`o` m`m`o`z` f`f`v` R`v`t`Z`i` w`b`q`w`S`Z` P`v`t`i` A`b`t`g`v` b` w` t`q`t`Q` t`m`m`e` n`t`j` v` B`i` v`M`W`G`e`s` n`v`i` K`t`j` . | G`B` `w`l` R`v`Z` L`v` `e`v` c`w`i` t`e`t`k` w`b`i`v`c` `w`K`b`v` Z`v`i` c`i`x`q`l`v` K`i`v` n`t`q`i`Q` Ges` A`e`f`k`l` L`v` ` ,` c`i` L`v` ` Ges` c`w`l`q`v`R`v`Z` L`v` ` w`nt`m`te` e`envi` i` R`b` ` A`b`t`g`v` b` t`c`t`q`i`Q`| Z`t`e` w`R`G`g` k`m` Ges` c`P`w`j` Z` R`v`Z` G`i` g`v`S` P`v`t`i` m`g`q` A`e`k`B` K`g`c`f`q` 300` w`g`U`v`i` e`e`a`v`b` _v`K`t`Z` n`t`e`| G`O`v`o`v` G`B` w`R`G`g` R`v`Z` t`k`x` d`m`t`j` i` R`b` ` m`si` w`f`q`Z` G`j` v`K`v`q` P`v`l` K`i`v` h`v`te` b`v`| w`e`Z`w`i` Z` : Email: osiris.ocando@agrobio.org

j`v`v`v`h`y` Clearfield 131 avb ktm`i m`v`c`ZK Lei

m`v`c`i`Z`K` G`K` c`i`x`q`l`v`q` Clearfield 131` avb` e`x`R` w`K`O`y`A`-A`b`t`g`v`w` Z` t`R`t`b`w`U`K` g`v`t`U`w`i`q`v`j` w`b`w`O`Z` K`i`v` n`t`q`i`Q`| G`B` A`v`t`j` v`t`K` 2005, 2006` A`_`e`v` 2007` t`i` w`R`o`w`w`e`v` m`v`w`U`v`B`W` e`x`R`i` e`c`b` w`b`w`l` x` K`i`v` n`t`q`i`Q`| t`h`m`e` P`v`l`x` G`B` t`N`v`l`Y`v`i` A`v`t`M`B` e`x`R` e`c`b` K`ti` t`d`j` t`P`Y` Z`v`i`v` A`e`k`B` avb` M`v`t`Q` e`x`R` A`v`m`v`i` A`v`t`M`B` n`v`w`e`f`v`B`W` w`t`q` e`v` h`w`S`K` c`i`P`q`v`q` M`v`Q` t`j` v` b`o` K`ti` t`d`j` t`e`b`| H` R`v`q`M`v`q` w`f`b`e` R`v`t`Z`i` avb` A`_`e`v` P`l`o`v` c`v`Z`i` t`K`v`b` d`m`j` t`h`g`b` m`q`w`e`b` j` v`M`v`t`b`v` t`h`Z` c`v`i`| w`e`Z`w`i` Z` : <http://www.aphis.usda.gov/newsroom/content/2007/03/CL131update3-9-07.shtml>

q`iz` Avi GbG mg`ni e`envi i gva`tg av`bi GKwU vekvj WwUv`mU D`m`v`b

t`w`j` v`l` q`v`i` w`e`k`l`e` `v`j` t`q`i` M`t`e`l` K`i`v` av`bi` w`R`b` w`m`K`t`q`t`y`i` G`K` w`e`k`v`j` W`w`U`v`m`U` %Z`i`x` K`t`i`t`Q`| d`t`j` av`tb` w`R`b` t`j` v` w`K`f`v`te` K`i`v` K`i`t`Q` Z`v` A`v`t`i`v` f`i`j` v`f`v`te` t`e`v`S`v` h`v`t`e`| A`Z`x`t`Z` q`iz` Avi GbG`0`t`K` A`_`i` "Z`c`Y`q`e`te`P`b`v` K`i`v` n`t`Z`v` Z`v`t` `i` A`v`K`v`t`i` i` K`v`i`t`b` ,` w`K`S`e`Z`g`v`t`b` R`v`b`v` t`M`t`Q` w`R`b` w`b`q`S`t`b` G`i` f`w`g`K`v` L`y`_`i` "Z`c`Y`q` G`O`v`o`v` A`b`v`b` `Re` c`w`l`q`v`t`Z`i` G`B` q`iz` Avi GbG` R`w`o`Z` t`h`g`b` c`x`o`t`b`i` c`i`Z` m`v`o`v` c`i`v`b`| w`e`Z`w`i` Z` : http://www.nsf.gov/news/news_summ.jsp?cntn_id=108455&org=olpa&from=news

Gukqv I cikš-gavmMiq

Fvi Ziq Kul gšÿetj b veuW Zj vi tKvbB ¶iwZKi cİve tB

WRGg ktmĭi ¶iwZKi cİve wbtq msmĭ cİkė gšÿ Fvi Ziq Kul gšÿetj b **gubly, ciĭ, Mv0cvj v ev cwi tẽtki Rbĭ** weuW Zj vi tKvbB ¶iwZKi cİve cvl qv hvqyb | wZwb Avi I Rvbvb mi Kvĭi i Zi d tĭk WRGg ktmĭi Pvl ev weµq wowl × Ki tB tKvb cİve-tbB | Zte WRGg dmtj i Sĭk Ges j vF mµvš-welĭq MbmtPZbZv Avbvi Rbĭ mi Kvĭi K.I.Ktĭ i tK GB welĭq wk¶iv tĭevi eĭe v Mħb KtĭtQ | weĭZwi Z: <http://pib.nic.in/release/release.asp?relid=25794> or Email: b.choudhary@isaaa.org

nvRvĭiv avĭbi RvZ i ¶ivq `xNĭgqv` x Pwĭ

International Rice Research Institute (IRRI) Ges Global Crop Diversity Trust mæcİZ avĭbi nvRvĭiv RvZ i ¶ivq GKwU Pwĭ DĭbVvPb KtĭtQ | G Dĭtĭk GKwU dvĪ MVb Kiv nte hv eĭq nte Agjĭ avĭbi Rvĭ tĭj vi i ¶ivq Ges eĭe vcbvq | Kgcĭ¶ 80,000 avĭbi RvZ IRRIĭ i WRb eĭvĭ¼ msi ¶ivZ AvtQ | GB exRĭ tĭj v GKwU weĭkĭ tĭv b msi ¶ivZ hv fĭgKæú ev Avĭ b cİZĭi vax | GQvov exRĭ tĭj v -19⁰ tmt Gi wææ Zvvcgvĭ vq msi ¶ivb Kiv cĭqvRb | Avĭj vPĭ Pwĭ Abĭvĭti th dvĪ MVb Kiv ntqĭZ Vĭi GKwU Ask eĭq nte GB WRb eĭvĭ¼ | ewK Ask bZb bZb RvZ msMħn I Zĭtĭ i `xNĭgqv` x AvšRĭiZK gĭvbi msi ¶ivb eĭüZ nte | weĭZwi Z: <http://bulletin.irri.cgiar.org>

CSRIO 0vĭv bZb Zj vi RvZ Dĭmĭeb

CSRIO Ggb GK Zj vi RvZ tei KtĭtQ hv Avi I Dbz fĭte ti vM cİZĭi va Ki tẽ Ges fĭwRĭj vg DBėĭtK Kvħĭi fĭte cİZĭi va Ki tẽ | thgb Aj Uvi bwi qvi eĭvcĭti fĭev nĭtQ | WRb cĭvĭĭ i mĭvĭthĭ tcvKvgkO cİZĭi vax I nmeħvBW cİZĭi vax Zj vi RZ evbĭv b ntqĭZ | GQvov CSRIO cĭvĭj Z cĭµqvĭ mĭvĭthĭ Zj vi dj b I Avĭki ū bMZ gĭvbi Dbq b KtĭtQ | weĭZwi Z: <http://www.csiro.au/science/ps8b.html>

BDĭivc

tĭvgwbqvb GKv¶Wgx nĭZ KvBf tRgmææšw bZ nĭj b

Dbq bkj weĭkĭ evĭqvĭ UK tĭvĭj wR UĭY dĭti i gĭvĭg Awk tUKmB Kwl Dbq b Dcĭvi tĭevi tĭwĭZ wntmte Wt KvBf tRgm, AvBmĭ (ISAAA) teWæ Ae wĭti ĩm Gi tPqvi gĭvb, meĭPtq ghĭkxj **A vKv¶wĭgk tĭwĭ Um** mæšvbbv cvb | GĭZ wZwb th eĭ³ Zv i vĭLb ZĭtZ weĭkĭ evĭqvĭ UK dmtj i eZĭv b Aeĭv b Ges fĭelĭZ mææv Zĭj aĭi b | wZwb etj b eZĭv b 21w tĭk evĭqvĭ UK dmtj Pvl nĭtQ thLvĭb weĭkĭ tĭvĭ 6.5 wĭj qb tĭvĭKi Aĭaĭ evm Ktĭ | weĭZwi Z: <http://www.isaaa.org/kc/croptechupdate/2007/03/16.html#18>

MĭelYv

bZb cĭKwZK BĭtmKwUmvBW wntmte fĭ¼ i tĭwU b Dĭmĭeb

Kuĭg GKwU eĭKtĭwĭ qvi mĭvĭthĭ tcvKvgkOtK Avµvš-Kĭi Ges tĭĭtĭ tĭĭtĭ | GB eĭvKtĭwĭ qv tcvKvi cvKĭ j xi wFZI Avµgb Ktĭ | AwZ mæcİZ Rvbv tĭtQ wK fĭte Kuĭg GKwU AĭPbv wKvĭtK tĭwU b i mĭvĭthĭ nZĭv Ktĭ | GB tĭwUwĭ Xpĭal, hvi PviwU mveBDwU wĭtĭ GKwU dvĭKv evĭ i AvKwZ MVb Ktĭ | GB Xpĭal, tĭwU b evĭ i dvĭKv RvqMv Abĭ tĭwU b tĭk RvqMv wĭtĭ GKwU gvi vZĭK weĭkĭ i Rwĭj thŠM MVb Ktĭ hv wKbv i ayXpĭal weĭkĭ i PvĭtZ 300 ū b gvi vZĭK | GB tĭwU b Kĭtĭcĭ KĭvteR ĩvqvBU evUvi dvĭB KĭvUvi wĭj vĭj i AĭšZĭ tĭj tĭM hvq Ges wµqvĭkxj nq | weĭZwi Z: http://www2.warwick.ac.uk/newsandevents/pressreleases/secret_of_worms/

RĭgĭvZ weuW Ges bbveuW fĭvĭ mneĭv b cĭx¶iv Kiv ntqĭZ

Rĭgĭvĭi 30 RvqMv cĭx¶iv Ktĭ tĭLv tĭtQ th, weuW fĭvĭ Ges mĭvavĭY fĭvĭ mneĭv b mæcĭ cĭx¶iv tĭLv hvq mneĭvĭbi dĭtĭ mĭvavĭY fĭvĭ exĭRĭ 0.9 kZvstĭkĭ I Kg UĭY tUwR ntq tĭtQ hv tĭĭtnĭ tĭj tĭtĭj i Kg | GB cĭx¶iv weuW fĭvĭ Pvi cvĭk mĭvavĭY fĭvĭ j vĭtv b nq | Bĭ aĭtĭbi fĭvĭtZ GKB mgq dĭj tĭdĭvU | dmtj tZvĭ vi mgq weuW fĭvĭ nĭZ 0-60 wĭvĭ tĭi mĭvavĭY fĭvĭ nĭZ bgĭv msMħn Ktĭ cĭx¶ivwĭti weĭkĭ Y Kiv nq | GĭZ tĭKv tĭtQ weuW fĭvĭ nĭZ 10 wĭvĭ tĭi nĭZ Avnvi Z tĭvĭ bgĭv 0.9 kZvstĭkĭ tẽk WRGg nq wĭ | Zvĭb weĭkĭ Áv GB mneĭvĭbi tĭtĭtĭ AvDUµwms GovĭZ 20 wĭvĭ Abĭvĭ b KtĭtQb | weĭZwi Z: <http://blackwell-synergy.com/doi/abs.10.1111/j.1439-037X.2006.00245.x>

†Mv̄i b Bw̄Kv av̄bi Rv̄Z D™v̄eb

wlv̄j cvB̄tb IRRi i Zv̄i i wv̄fD tccv̄ti `w̄j †Mv̄i b IR64 Ges BR29 av̄b D™v̄eb AM̄w̄zi w̄l t̄q Av̄tj v̄Pbv̄ K̄ti t̄Qb | w̄lv̄ K̄v̄i w̄Ub Ges Ab̄vb̄ K̄v̄i w̄Ub t̄qW c̄f Z nevi K̄vi t̄b Gme av̄bi `v̄bv̄ nj ŷ ev̄ K̄g j v̄ i t̄O i t̄ Lv̄q | Gme Uv̄Y t̄Rwb̄K av̄bi j v̄B̄tb K̄v̄i w̄Ub t̄qWi cwi gvb̄ A t̄bK t̄wk̄ n̄tj | Ab̄vb̄ K̄w̄l Z w̄Ēj K̄w̄k̄o thgb̄ Mv̄t̄Q i D™PZv̄, d̄j d̄w̄t̄Z w̄ t̄bi msL̄v̄, exR̄ av̄i b, 100 ext̄Ri | Rb, t̄gv̄U ev̄t̄qvgm̄ BZ̄w̄ K̄t̄Uv̄j R̄v̄Zi Ab̄j̄fc | w̄v̄ Z w̄i Z: <http://springerlink.com/content/b5r6781167t7115n>

†Nv̄l Yv̄

bZb Zi'b̄ K̄w̄l w̄v̄Av̄b̄t̄ i R̄v̄cv̄t̄bi R̄v̄Zx̄q c̄ȳi

R̄v̄cv̄t̄bi K̄w̄l, eb̄ | gvr̄m̄ ḡš̄b̄ȳj q bZb Zi'b̄ K̄w̄l w̄v̄Av̄b̄t̄ i R̄v̄cv̄t̄bi R̄v̄Zx̄q c̄ȳi †Nv̄l Yv̄ K̄ti t̄Q hvi D̄f̄i k̄nj bZb K̄w̄l w̄v̄Av̄b̄t̄ i Dr̄m̄w̄nZ K̄iv Ges Db̄q̄bk̄j t̄ t̄ki K̄w̄l, eb̄, gvr̄m̄ Ges Gi m̄t̄_ ms̄ik̄o c̄f Z̄v̄t̄bi M̄t̄el Yv̄ | Db̄q̄t̄bi m̄t̄_ cwi Pq K̄w̄i t̄q t̄ qv̄ | w̄v̄ Z w̄i Z: http://www.jircas.affrc.go.jp/english/event/h19/h19boshu_e.html

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

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www.bdbic.org: ejs̄j v̄f̄ k̄ ev̄t̄q̄t̄UK̄t̄b̄j w̄R̄Z̄_ t̄K̄v̄ K̄Z̄K̄ m̄K̄t̄j i ē ev̄n̄ti i R̄b̄ | t̄q̄e

www.isaaa.org: ISAAA m̄v̄ut̄K̄m̄K̄j Z̄_ , Crop Biotech Update: ev̄t̄q̄t̄UK̄ c̄m̄t̄j i w̄ek̄ p̄w̄i w̄i Z̄i | t̄q̄e

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info@isaaa.org: ISAAA t̄h̄i K̄ib̄ Z̄_ ev̄c̄K̄ib̄ri R̄b̄