



# evtqvUK dmtj i eZgvb Ae`v

ISAAA Gi "dmj `Re chý i nek,Avb tk>`a KZ& i PZ Dbqbkxj t`tki Kml-%Re chý D`M`etbi nek,cwi`wZi mvi vsk|

Gircj 27, 2007

## G msL`vi wktivbvg

<b>Lei</b>	<b>Avtgvni Kv</b> -veÁvbxiv mBPtMñ mRNA Gi gva`tg `Rekiw³ `Zixi wPšvKtiþ0	- Dupont GesBP evtqweDUvbj M`vfmwj tbi mvt_ mv` k`cY©
<b>Gvkvq I çkvšgavmMiqx BDti vC</b>	- ConocoPhillips AvBl qv AsMivR` evtqvdqtj i Dci MtelYv Kvhpjg cwi Pvj bv Kiti0	- AvBicAvi kvl bcvVj x Ges Ges RbmYi Avi GÜw LvZ
<b>Mtel Yv</b>	- Mm 16w bZb wRGg f`jvi RivZ evtRqvB Kiti0	- wRGg ktm`i gta` KivbvkK iDUvbri c`wZ cwi eZfbi gva`tg `Re`epT`Zvvej yß tiva Kivm`e
	- wRGg ktm`i gta` KivbvkK iDUvbri c`wZ cwi eZfbi gva`tg `Re`epT`Zvvej yß tiva Kivm`e	- evtq-04 BDti vCq BDvbqt `Re chý³ BDti vCq BDvbqtbi A`_bmZtZ Ae`vb ivLti0
	- wRGg Avtj i AvAK dj b Ges AvAK c`yugÁjv	- AvMvOv`_tK AvMvOvq `vbsi-MBtdvMÜ cZt`ivax
	- Zj vi Avki `N`vqšbKvixwRb mbr³ Kiy	

## Lei

### Avtgvni Kv

#### veÁvbxiv mBPtMñ mRNA Gi gva`tg `Rekiw³ `Zixi wPšvKtiþ0

eZgvtb evtqvdqtj Kvi Lv b \_tj v MwZ ARB Kiti0 Kvi Y veÁvbxiv B\_vbtj i Drcv`b ep`xi Rb` Dw`M`ç`i AbjvÜvb Kiti0| KwL MtelYv mwf`m GRb` mBPtMñ wW.Gb.G. Gi LÜvsk GgAvi .Gb.G. Gi Dci `w0 Avtvc Kiti0| Kgct`q 12000 Gi gta` 12Üv mBPtMñ wRb LÜvsk wwf`bawRtbi mvt\_ hý hv wj Mwbj Drcv`b l m`Áq vboqšb Kiti | GBw j Mwb wPwbi Abj mvt\_ hý ntq B\_vbj `Zix Kiti | we`Zwi Z: <http://www.ars.usda.gov/News/docs.htm?docid=1261>.

#### Dupont Ges BP evtqweDUvbj M`vfmwj tbi mvt\_ mv` k`cY©

Dupont Ges BP bvtg `Bw hM`vthwMx evtqvdqtj evRvi Qvov ntqti0 `Bw tKv`úvbxv gva`tg hv evtqweDUvbj M`vfmwj tbi mvt\_ mv` k`cY© GB evtqvdqtj wKQv`vRvnr Pvj bvq m`c`wZ e`euZ nt`0| evtqweDUvbj i wgb Dbz dtqtj i gZ hv D`P kw³ gv`l v avib Kiti Ges Kg cwi gvb `wZ e` `m`úvç. we`Zwi Z: <http://www.bp.com/genericarticle.do?categoryId=2012968&contentId=7032451>

#### ConocoPhillips AvBl qv AsMivR` evtqvdqtj i Dci MtelYv Kvhpjg

Conocophillips GKüU evtqvdqtj Drcv`bKvix tKv`úvbx, mvavi YZ `eZ cvBt`ij vBtm`mi gva`tg evtqvgv t`\_tK dtqj Drcv`b Kiti \_vtK| cvBt`ij vBmm GKüU c`wZ hv Zvc tkv`tbi gva`tg Av`\_tRtbi Abg`w`wZZ evtqvgvmtK Zij `ç`e` cwi bZ Kiti | GB Zij `è`\_tK Rvj vbx wntmte e`envi Kiv nq| we`Zwi Z: <http://www.iastate.edu/%7enscentral/news/2007/apr/biofuels.shtml>

### Gvkvq Ges çkvšgavmMiqx

#### wftqZbvq wRGg `Re vbi vCÉv vboqšb m`úv`bv

Stk vboqšb vbi fctb Ges wftqZbvq wRbZwE`Kfvte i fcvšwZ ktm`i gvW chiq chf`qY hv `t`wi nq, Zte RxeZwE`Kfvte D`M`eZ `è`w` t`tki Dbqtb tKvb mnvqK fgKv cvj b KitiZ m`qg nte bv| wftqZbvq Gi Mkvj Pvi vj tR`t`w. B`Y`w`ÜDU Gi cwi Pvj K W. wj nvB nvg GK KgRvj vq etj t0b th, wftqZbvq wRGg ktm`i RivZ D`M`eb Ges ewYwR`wKkitiYi c`e`Gi vbi vCÉv m`úv`b vboqšb KitiZ nte| th KgRvj wÜ AbjvZ ntq`Qj wftqZbvq tnt`vbtq bvgK `v`b| wftqZbvq B`Ov tcvl b Kiti0 th, wbe`PZ wRGg ktm`i gvW chiq chf`qY Kiti 2006 t`\_tK 2010 mvj chS`Ges Avkv tcvlY Kiti0 Gme ktm`i ewYwR`wKkitiYi Ges A`\_t` fweL`tZ Zv` i tgvU Avev`thwM` fvgi 30 kZvstk G mKj ktm`i Pvtl i Avl Zvq Avbte| we`Zwi Z: Email: [r.hautea@isaaa.org](mailto:r.hautea@isaaa.org)

#### AvBicAvi kvl bcvVj x Ges RbmYi i Avi GÜ wW LvZ

wndg`vb tRbg wMktqYs çOR± (HGP) wwf`baw`tbi km` RivZi wMktqY wY`q e`euZ nt`0| D`vni b`\_tfc AvSR`wZK avb tRbg çKí Nippon bare RivZi wMktqY wY`q e`euZ nt`0| thÜv kxZcäv ev Japonica ai`tbi avb| Monsanto & Syngenta avb tRbg wMktqYs çORt`i gva`tg A`\_w`wZK Ges e`eKmwqK t`q`\_t` Afvebxj j v`f Kiti0| Monsanto Ly ZvovZwv Zv` i Lmov wMktqY RbmYi gta` Av`vb`cÜv Kiti0; thLv`b Syngenta Zv` i Patent Gi wMktqY Zt`\_i Rb` Avt`e`b Kiti0| AvBicAvi Gm D`M`eb çÜ`vq`q wwb`tqv`Mi Rb` Drm`v`v`cÜv Kiti Ges th`tKv`b `v`b Drcw`Z D`M`eb`i m`wK e`envi w`v`wZ Kivi gva`tg MtelYv Ges Dbqtb Kvhpjgti MwZtK Zij wšZ KitiZ Ae`vb ivL| we`Zwi Z: Email: [spt@searca.org](mailto:spt@searca.org)

## BDti vc

### Mm 16u bZb vRGg fivi RvZ evRqvB Kti tQ

Mm Zvi tguv fivi cRwZi gta 47u RvZi Dci wbtlavAv Avtvc Kti tQ| AwZwi 3 16u wRbZwEjKfvte ifcvsi-Z fivi RvZi Dci AbgviZ bv t qvi mvctq| GB mg - fivi RvZi cwi tetki Dci SmK\_vKvi Rb Mm mi Kvi wRbZwEjKfvte ifcvsi-Z fivi Dci wbtlavAv Avtvc Kti tQ| hvi BDtvcxq BDnbqb G g -RvZi Abgvi b t q Zvntj fivel tZ G mg -RvZ emvR'Kfvte Pvl Kiv mae nte| we Zwi Z: <http://www.gmo-compass.org/eng/news/messages/200704.docu.html#108>

### vRGg ktm i gta KxUvbkK vQUvbtvi cxiZ cwi eZtbi gva tg Re ^emP^ Zv vej yB tiva Kiv mae

c0Z 100 mwii i gta 2mwii tZ KxUvbkK bv Qvotq weUk km Mtel Kiv t wLttq0 th, AvMvQv Ges Zvi extRi ^emP^ Zv ifcvsi-Z ktm i gva V gvtbv mae| GB c0Z 2 mwii tZ KxUvbkK bv Qvotvbi dtj Ges Gi dtj Dw^C ^emP^ Zv msi qY Kiv hvq Ges Gi dtj cvLx Ges tcvKv-gvKtoi i Lv^ i Dm msi qY Kiv hvq| Guv John Pidgeon Ges Zvi mnKgf v GKU cKvkvbv cKvK Kti tQj | wZwb Avi l etj tQb th, GB cxiZ e^envti i gva tg K.l.Kiv Zvt i j vf Zji vS Z KitZ Ges AvMvQv l exR ^emP^ Zv avstmi nvZ t\_tK i qY Kiti m qg nte| we Zwi Z: <http://www.nature.com/news/2007/07014/full/070416-8.html>

### evtqv-04 BDtvcxq BDnbqbt ^Rechny^ BDtvcxq BDnbqbt i A\_DwZtZ Ae vb ivL tQ

%Rechny^ i Drcv b Ges Gi e^envti i dtj BDtvtci A\_DwZK cxiZ 2 kZvsk eix tctqOj Ges 10-20 kZvsk kg Drcv b eix tctqOj | Gi dtj MZ `k e0ti ^Rechny^ i dtj Drcv Z `e` thgb evtqvdivmDwK'vj AnaK nvti eix tctqOj | we Zwi Z: <http://www.europa.eu/rapid/pressReleasesAction.do?reference=MEMO/07/141&format=HTML&aged=0&language=EN&guiLanguage=en>

## Mtel Yv

### vRGg Avztj i AnaK dj b Ges AnaK cyugAyx

cPvj Z cRbb Ges wRb BwAbqwi s Gi gva tg AtbK AvtM t\_tKB Avztj i Drcv b eix i Rb cPov Pj vtbv nt^Q| Blvj xq weAvbxi v eZvbt GKU cKvkvbv "Auxin synthesis encoding transgene enhances grape fecundity" cKvK Kti tQ th, eb RvZi Zj bvq ifcvsi-Z Avztj i kvLvq dj avi b qY Zv AtbK tenk| exRienb Avztj i RvZ Thompson Ly Aí cwi gvb dj avi b Kti Ges Silcora, Thompson Gi tPtt tenk dj avi b Kiti m qg| Mto Thompson RvZ eb RvZi Zj bvq w\_b cyugAyx avi b Kti Ges dj avi b qY Zv \_bv b l cwi gvb eb RvZi Zj bvq ifcvsi-Z Avztj MrtQ AtbK\_b tenk| we Zwi Z: <http://www.plantphysiol.org/cgi/content/full/143/4/1689>

### AvMvQv t\_tK AvMvQv vbvsi-MvBtdvtmU c0Zti vax

km t\_tK AvMvQv wRb c0vtni gva tg MvBtdvtmU c0Ztvtai e^cvti AtbKevi Mtel Yv Kiv ntqtQ wKs' AvMvQv t\_tK AvMvQvi MvBtdvtmU c0Ztvtai Ly Kg cwi gvb Z\_ i tqtQ| Iowa State Ges Delaware wekve `vj tqi Mtel Kiv mae Kvi Y Abgvi vBv Kivi Rb Conyza Gi msKivqb cix qY Kiti tQb| Mtel Kiv che qY Kiti t\_tL tQb th, Conyza canadensis and Conyza ramosissima Gi gta wRb wevbtqi gva tg AvMvQvbkK c0Zti vax qY Zv eix cvq| AvMvQv dtj th RvZ cvl qv hvi Zv AtbK tenk MvBtdvtmU c0Zti vax| we Zwi Z: <http://www.amjbot.org/cgi/content/abstract/94/4/660>.

### Zj vi Avtki ^N^ bqsbKvix wRb mbv^3 Ki Y

Pxtbi Mtel Kiv t\_tL tZ tctqtQb th, Zj vi Avtki ^N^ Rb K'vj wmqv wMb'vj UYwKkb (Calcium Signal Transduction) `vqx| weAvbxi v Suppression Subtractive Hybridization (SSH) cxiZi gva tg Zj vi Avtki ^N^ bqsbKvix wRb mbv^3 Ki Y mae nqtQ| Pvi ai tbi wRb K'vj wmqv wMb'vj s Gi Rb `vqx hv ntj v K'vj tgvWvj b (CaM), Mjlv tGU wKvte t j R (GAD), K'vj wmbDwi qv-we-j vBd (CBL) Ges t0vB BbtUt Kiu s t0vB KvBtR (CIPKs)| we Zwi Z: <http://dx.doi.org/10.1016/j.plantsci.2007.04.008>

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