

The case for  
**A GM-Free  
Sustainable World**



**Independent Science Panel**

**\* Ban  
GM crops**

**\* Adopt  
Sustainable  
Agriculture**

**TASSC:  
The Advancement of  
Sound Science Coalition**

(founded in 1993 by Philip Morris)

# Farm Scale Evaluations (FSEs)

- GM and conventional oil seed rape, sugar beet and fodder maize grown on split plots
- Weed abundance was smaller for GM rape and sugar beet but larger for GM maize
- So only GM maize is to be licensed

But of 44 maize plots, triazine based herbicides had been used on all but 4. These are now to be banned in the EU

“Withdrawal of the triazine herbicides atrazine, simazine and cyanazine from approved lists of EU chemicals could therefore reduce or even reverse the reported benefits of GMHT maize.”

**Ban on triazine herbicides  
likely to reduce but not  
negate relative benefits of  
GMHT maize cropping**

JH Perry et al Nature on line 4March 2004

The trials showed no significant difference in biodiversity between GMHT maize and conventional maize managed with non-triazine herbicides

But there is a significant difference between the GMHT and the pre-emergence sites – 24 triazine and 4 non-triazine



“If this pooled category of herbicide regimes is indeed representative of weed control in post-triazine crops ... then final weed numbers would still be larger in conventional maize.”

Q: Are the results of the Farm Scale Evaluations for maize still valid if triazine herbicides are replaced by non triazine?

A: Yes – providing we assume *a priori* that triazine and non-triazine herbicides are equivalent



**non-GM maize 7/8/02**



**GM maize flowers evident but few silks**  
**Very "weedy"**  
**7/8/02**





**Non-GM maize 19 Sep 02**

**Jean and Chardon 19 Sep 02**









[www.indsp.org](http://www.indsp.org)

## Statement of the Independent Science Panel

The Independent Science Panel (ISP) is an international panel of scientists from many disciplines committed to:

1. Promoting science for the public good, independent of commercial and other special interests, or of government control
2. Maintaining the highest standards of integrity and impartiality in science
3. Developing sciences that can help make the world sustainable, equitable, peaceful and life-enhancing for all its inhabitants



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