

**PERENNIAL WEED CONTROL WITH ROUNDUP READY'-' CANOLA**  
**ROB NEYEDLEY**  
**PRODUCT DEVELOPMENT REPRESENTATIVE**  
**MONSANTO CANADA INC.**  
**SASKATOON, SASKATCHEWAN**

Traditionally herbicides have been used at various times to control perennial weeds. Pre-harvest, in crop, and post harvest. The area I will talk about today is a new way of controlling perennial weeds in crop. Perennial weed control with Roundup Ready Canola will be reviewed from two data sets: 1. Monsanto research data ; 2. 1996 Survey of Roundup Ready growers.

Monsanto research examined the control of three common perennial weeds:

**Quackgrass**

Roundup applied at 1/2 liter/acre in Roundup Ready canola gave equivalent to slightly higher control of quackgrass than the commercial standard. This control as listed on the label is classed as season long

**Perennial sow thistle and Canada thistle**

Roundup applied at 1/2 liter/acre once in Roundup Ready canola gave equivalent control of Canada thistle and sow thistle as the commercial standard. A second sequential application, which is a labeled use, gave higher levels of control than the commercial standard. This control as listed on the label is classed as season long.

These levels of perennial weed control with Roundup is season long and does not give the long term that a pre-harvest application of Roundup gives.

**Grower survey**

In 1996 290 growers who grew Roundup Ready Canola were surveyed as to what they thought of the perennial weed control they obtained with this weed management system.

Overall 88% said they had good to excellent perennial weed control with Roundup in Roundup Ready Canola. When asked 88% had good to excellent control of Canada thistle with one Roundup application and 92% with the second Roundup treatment. They also replied that 88% had good to excellent control of perennial sow thistle with one Roundup application and 94% with the second Roundup treatment.

Overall, crop safety as ranked by growers ranged from 94-100% (good to excellent safety) with 1 or 2 applications rated 1 and 3 weeks after treatment.

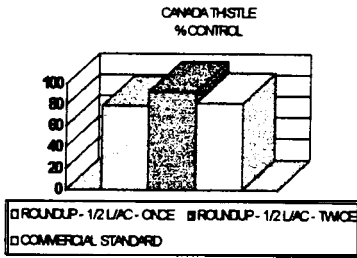
**Conclusion**

There is another tool which is effective in helping to manage perennial weeds and that is Roundup Ready canola. Monsanto Research data supports it and so does a recent survey of growers.

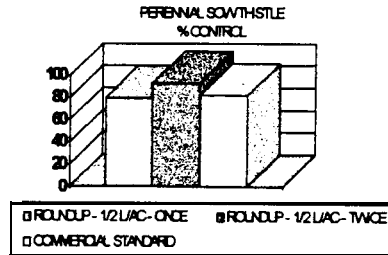
For more information, please call 1- 800 - 667 - 4944. Thanks.



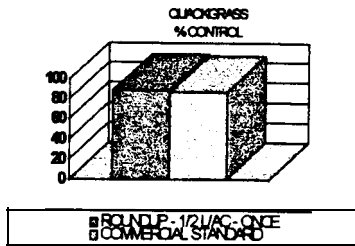
PERENNIAL WED CONTROL WITH  
ROUNDUP READY CANOLA  
MONSANTO RESEARCH DATA 1995-1998



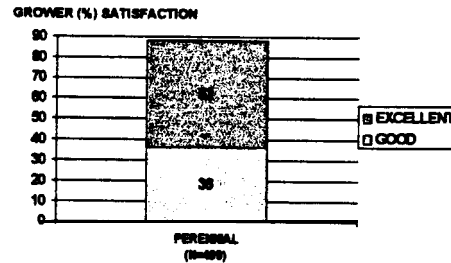
PERENNIAL WEED CONTROL WITH  
ROUNDUP READY CANOLA  
MONSANTO RESEARCH DATA 1995-1998



PERENNIAL WED CONTROL WITH  
ROUNDUP READY CANOLA  
MONSANTO RESEARCH DATA 1995-1998

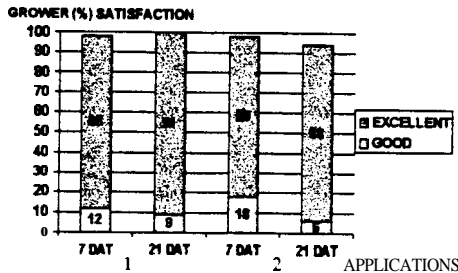


ROUNDUP READY CANOLA  
PERENNIAL WEED CONTROL

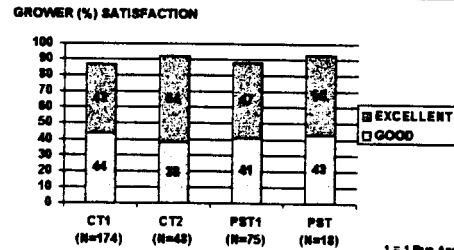


Wood control ratings made 21 DAT by grower

ROUNDUP READY CANOLA CROP  
SAFETY



ROUNDUP READY CANOLA  
PERENNIAL WEED CONTROL



1 = 1 Rps Application  
2 = 2 Rps Application