



IRRIGATED CROPPING FORUM

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OILSEEDS NEWS

RETAINING SEED MAY BE FALSE ECONOMY

The use of farmer-retained seed for canola is on the rise, according to industry players, who have warned that potential losses in yield and quality are not compensated for by the cost-savings on seed.

Oilseed Industry Development Officer, Felicity Pritchard, said she has received reports of an increasing number of growers opting to use seed from their own canola crops, despite research showing the potential for big yield and financial losses.

She said that if growers sowed retained canola seed, it should be only one generation away from certified seed, and should be laboratory-tested for germination before sowing. If the retained seed is of poor quality, it should not be used for sowing, she said.

A yield loss of less than 0.1 tonne per hectare would be more costly than buying in retained seed in most cases, Ms Pritchard said.

Research undertaken by Victorian and South Australian agriculture departments in the late 1990s led by Dr Steve Marcroft, demonstrated an average 12 per cent yield decline with retained seed, and in one case, complete crop failure. Canadian research also came up with similar results.

In favourable seasons, canola can compensate for poorer seedling emergence most of the time. But the research showed in years or locations with drier finishes to the season, canola crops grown with certified seed yielded an average 12 per cent more than farmer-retained seed, when the retained seed was of poorer quality.

The research found that yields ranged from a mere 0.1 up to 1.2 tonnes per hectare for farmer-retained seed, compared with a more consistent 1.0 to 1.2 tonnes per hectare for certified seed.

This range in yields for retained seed would cost a grower \$396 a hectare, assuming today's price of \$360 a tonne, and well and truly outweighs the cost of buying new seed.

“When considering retaining seed, farmers should be aware of the costs associated with germination testing, grading, storage, and potential weed problems. Farmers should never retain seed from a crop which was planted from retained seed due to potential changes in the variety’s characteristics,” the research authors stated.

“Canola is a crop which both self-pollinates and outcrosses (fertilised by other plants). As a result of outcrossing of individual plants with different characteristics, the characteristics of a variety can drift slightly from one generation to the next.

In most instances, the characteristics for which the variety was originally selected tend to regress, while the undesirable characteristics tend to become more prominent.”

CANOLA GROWERS SPOILT FOR CHOICE

Canola growers are spoilt for choice with 16 new varieties added to the market this year.

Victorian DPI oilseed breeder, Wayne Burton, told advisors at the recent Grains Research Updates in Bendigo that six new conventional, two Clearfield, four triazine tolerant and four new specialty canola varieties are now available for growers.

But growers are being advised to only try new varieties on a smaller scale alongside the older proven varieties and to take a good look at the long-term data when selecting a new variety. In the medium to high rainfall areas, growers are warned to only use varieties with a good blackleg resistance.

And while some growers may feel overwhelmed by all the options, the Victorian DPI has drawn together data from 2003 to 2005 for most of the current canola varieties in the 2006 Victorian Winter Crop Summary.

“The oilseed industry is particularly excited about the new specialty varieties available, which could replace conventional canola in the longer term,” said Oilseed Industry Development Officer, Felicity Pritchard.

“These specialty varieties have a better quality for frying, and are a healthier alternative to the saturated fats, like tallow and palm oil. And the best thing for grower is that some of the new varieties are outyielding conventional varieties, while attracting a very attractive premium price.”

For a copy of the Victorian Winter Crop Summary, contact DPI Horsham on (03) 5362 2111.
