

Meeting Market Expectations GM Canola



Dr. Chris Preston

Major Canola Producers (2001/2002)

- **China** 11.3 million T
- **EU** 8.8 million T
- **Canada** 4.9 million T*
- **India** 4.5 million T
- **Australia** 1.6 million T

***More than 65% of the Canadian crop is GM**

***Very little identity preserved**

Source: USDA FAS

Major Canola Exporters (2001/2002)

- **Canada** 2.5 million T
- **EU** 2.9 million T
- **Australia** 1.3 million T
- **USA** 0.2 million T

Source: USDA FAS

GM Canola and Market Expectations

- **At present, most canola markets show little or no differentiation between GM and non-GM canola**
- **Main exception is Europe**
- **In Australia, the canola industry has decided on co-existence**
- **Protocols aim to produce GM and non-GM canola that meet market expectations**
- **Probably the most important market for non-GM canola will be local**

Sources of Adventitious Presence

- **In sown seed – manage through good seed hygiene at breeding plots**
- **Pollen movement – unlikely to be important**
 - **Canola is mainly self-pollinated**
 - **Large amount of pollen produced in field to compete with external pollen**
- **Seed admixture – most likely cause**

Management of Adventitious Presence

- **Needs to be simple and cost effective**
 - **Protocols on farm and post farm gate**
- **Testing at farm gate or receivals will be inefficient, overly costly and ineffective**
- **A better strategy is to use farmer declarations and testing at outflow**

GM Canola in the Future

- **Canola is an ideal crop for the production of specialty oils**
- **This provides an opportunity to produce specific oils for customer needs**
- **Segregation will be required to minimise adventitious presence of conventional canola seed**