

QUALITY INNOVATION SERVICE



Canadian Grain Commission / Commission canadienne des grains

Canada

Western Canadian Wheat Growers Association Annual Meeting
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Canadian Grain Commission Issues and Challenges

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Overview

- **Wheat Quality Assurance Strategy**
- **Technology in grain quality assurance**
- **Grain safety assurance**
- **Reviews**
 - **Canada Grain Act**
 - **Inward Inspection and Weighing**

Quality of 2005 harvest

- **Grain drying**
- **Grain storage and sanitation**
- **CGC monitoring**
- **CGC information**
 - 1-800-853-6705
 - grainscanada.gc.ca

Wheat Quality Assurance

- **Issues**
 - Visually indistinguishable nonregistered wheat varieties
 - KVD limitations

Wheat Quality Assurance

CGC Wheat Quality Assurance Strategy

- **Technology**
- **Testing/monitoring**
- **Wheat class restructuring**

Wheat Quality Assurance

Wheat Class Restructuring Proposal

- No change to KVD requirements for CWAD and CWRS
- Remove KVD requirement for minor western wheat classes
- Create two new (General Purpose) wheat classes

Technology in grain quality assurance

- Visual/non-visual grading factors
- Introduction of objective measures into grading system
- Technology transfer template

Technology in grain quality assurance

- Example: Rapid Visco Analysis (RVA)
- Grain grading and use of RVA
- Evaluation of technology
- Working group
- August 1, 2006 Target

Technology in grain quality assurance

- **Grading factors for wheat**
 - Artificial stain, no residue
 - Dark, immature
 - Degermed
 - Fireburnt
 - Foreign material
 - Frost/heat stress damage
 - Fusarium damage
 - Grass green
 - Grasshopper, army worm
 - Hard vitreous kernels
 - Heated
 - Mildew damage
 - Natural stain
 - Pink
 - Sawfly damage
 - Shrunken and broken
 - Smudge and blackpoint
 - Sprouted
 - Standard of quality
 - Wheats of other classes or varieties

Grain safety assurance

- CGC provides assurances for pesticide residues, mycotoxins, heavy metals
- Global concern
- Growing in importance

Grain safety assurance

- **Requirements of grain importing countries**
 - Example: Japan's Food Sanitation Law
 - Tolerances set for 530 chemical residues in wheat
 - 269 chemical residues to be tested/monitored

Grain safety assurance

- **Canadian Grain Commission**
 - Research
 - Monitoring
 - Market assistance cargo complaints

Reviews

- **Canada Grain Act**
 - Report to Minister of Agriculture and Agri-Food Canada by August 2006
- **Inward Weighing and Inspection**
 - Report to Canadian Grain Commission by April 2006

Reviews

- **CGC role and mandate**
 - Grain quality standards
 - Grain grading and quality assurance
 - Quantity assurance
 - Research
 - Licensing, security and producer protection
 - Producer car administration

