Properly Storing Grain to Optimize Quality

- Sanitation
- Binning
- Aeration
- Monitor
- Insect Control
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SPRAY FOR INSECTS

- Walls, Floors, Ceilings
- Outside Perimeter
- Aeration Tubes or Sub Floors
- Take out Augers and Pits
- Handling Equipment
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CHECK

SEAL

INSPECT
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GOOD BINNING PRACTICES
• Proper combine adjustment
  • Minimize Cracked and Broken Kernels
  • Reduce Dockage and Trash
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GOOD BINNING PRACTICES

• Check Grain Moisture
• 13% or less
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GOOD BINNING PRACTICES

• Don’t Over Fill the Bin
• Flatten Off or Invert Cone
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BIN AERATION

- Critical for long term storage and bins over 3,000 bu.
- Decreases temperature, increasing storability and maintaining quality
- Minimizes insect activity at 50 F or lower
Cool Grain to Prevent Storage Problems

Optimum for Insects and Spoilage
Insect Reproduction Reduced
Insects Dormant
Insects Killed
Grain Temperature 35-40°F
Grain Temperature 20-25°F

* Prevent crusting due to moisture migration by cooling grain to within 15°F of average outdoor temperatures.
* Cooling grain by 10°F doubles its allowable storage time
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Single Pipe

Y Pipe

Full Floor
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Monitor the Grain Bins

- Every week or two while cooling
- Monthly after cooled below 50 F
- Sample for insect activity
- Check for moisture, snow, or growing grain
Never go into a bin without someone else there!
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Insect Control
- Bin and Equipment Sanitation
- Proper Binning Practices
- Aeration
- Monitoring
- Fumigation
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**INSECT**
- Confused Flour Beetle
- Lessor Grain Borer

**CONTROL**
- Granary Weevil
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Preventative Insect Control

- Safe and effective
- Easy to apply
- Long lasting
- Wheat and malting barley approved
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Infestation control
• Safe to apply
• Very effective
• Short lasting
• Approved for wheat and malting barley
SAFETY FIRST!

Questions ?