Fertilizer Consideration for Winter Canola

7th Annual Winter Canola Conference
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Outline

• Lessons learned in 2010-2011 Crop
• The impact of the 2010-2011 Environment
• Canola, it has a tap root.
Take Home from 2010-11

• Timing and percentage.
  – Once again environment prevailing factor.
  – 2 seasons ago Top-dress %
  – This year Pre-plant %
Rainfall (Enid area)

**Lahoma**
- Sept-May: 16.22
- 30 yr ave.: 22.49
- Difference: -6.27
- % of total: %72

**Breckinridge**
- Sept-May: 14.44
- 30 yr ave.: 23.9
- Difference: -9.46
- % of total: %60

**Medford**
- Sept-May: 10.56
- 30 yr ave.: 23.35
- Difference: -12.79
- % of total: %45
Rainfall (Lawton area)

Apache

Sept-May 16.83
30 yr ave. 23.53
Difference -6.7
% of total %72

Sept-May 14.66
30 yr ave. 24.31
Difference -9.65
% of total %60

Hobart

Sept-May 13.95
30 yr ave. 20.35
Difference -6.4
% of total %69

Medicine Park

Sept-May 14.66
30 yr ave. 24.31
Difference -9.65
% of total %60
Take Home from 2010-11

• Timing and percentage.
  – Once again environment prevailing factor.
  – 2 seasons ago Top-dress %
  – This year Pre-plant %
  – Next year????
    • Soil moisture at planting.
    • N cost
    • Level of Risk
Soil Moisture

Daily Averaged Fractional Water Index at 2 inches

Daily Averaged Fractional Water Index at 10 inches

Daily Averaged Fractional Water Index at 24 inches
Take Home

• Good start out of the gate.
• N and P at planting a must.
  – Does not mean you have to apply
  – You just have to have some there
Accidental N-Rich
Take Home

• Good start out of the gate.
• N and P at planting a must.
  – Does not mean you have to apply
  – You just have to have some there
• Starter with seed?
  – Small seed means sensitive
  – AAP 10-34-0
  – DAP 18-46-0 Risky????
    • Mixed results, Trials in place for 2011-12
Canola’s Root
Canola’s Root

• Tap Root =
  – Potentially deeper into the soil profile
• What is deeper in the profile
  – Water
  – N
  – S
  – P&K: No so samples deeper that 6” not rec.
Thank you!!!

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