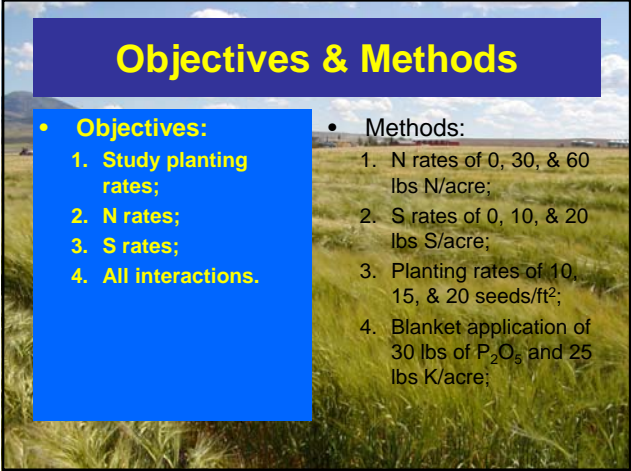


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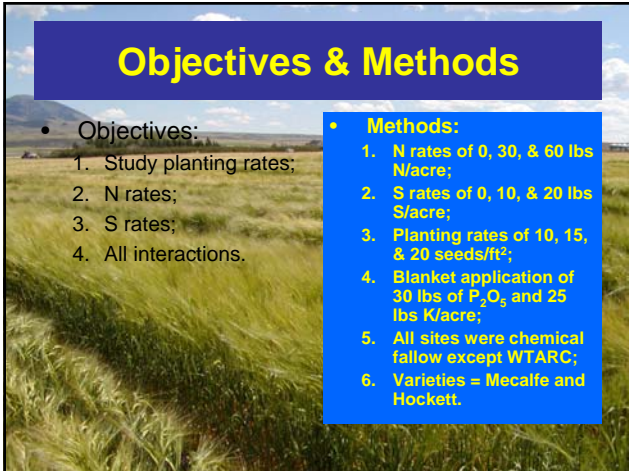
Effect of N, S, & Planting Rate on Dryland Malt Barley

Grant D. Jackson
 Western Triangle Ag. Res. Ctr.
 Conrad, MT



Objectives & Methods

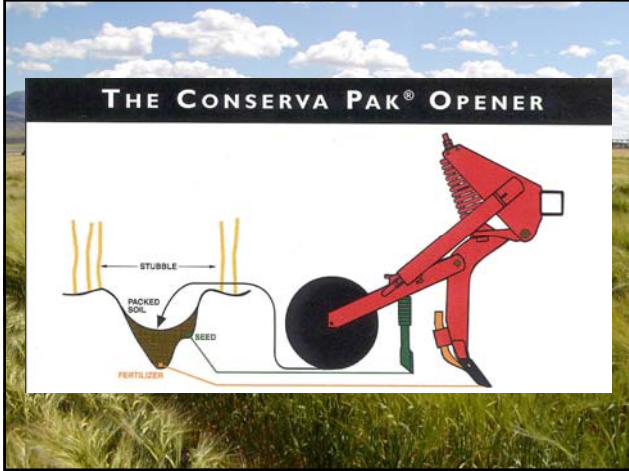
- Objectives:**
 1. Study planting rates;
 2. N rates;
 3. S rates;
 4. All interactions.
- Methods:**
 1. N rates of 0, 30, & 60 lbs N/acre;
 2. S rates of 0, 10, & 20 lbs S/acre;
 3. Planting rates of 10, 15, & 20 seeds/ft²;
 4. Blanket application of 30 lbs of P₂O₅ and 25 lbs K/acre;



Objectives & Methods

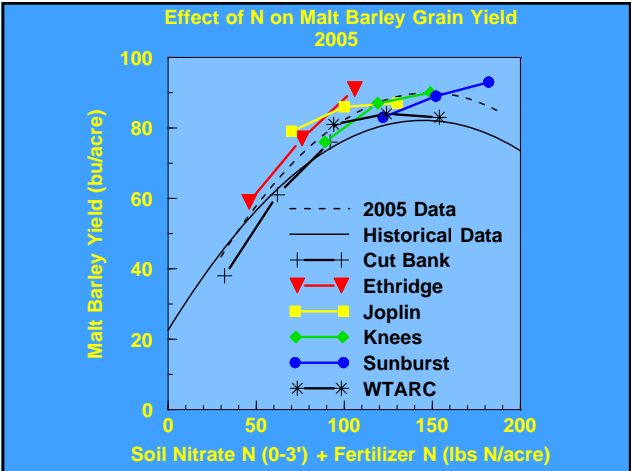
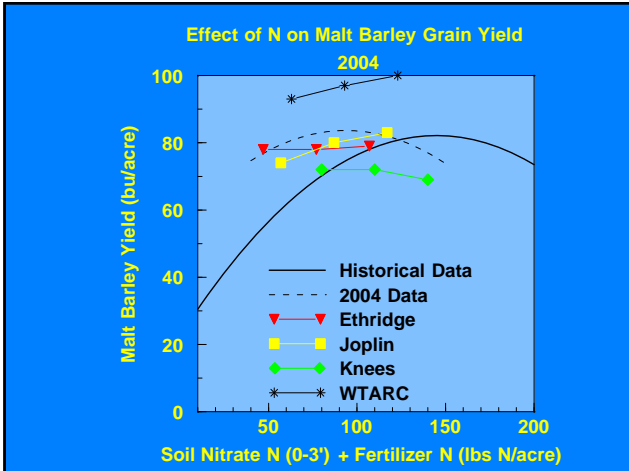
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 5. All sites were chemical fallow except WTARC;
 6. Varieties = Mecalfe and Hockett.

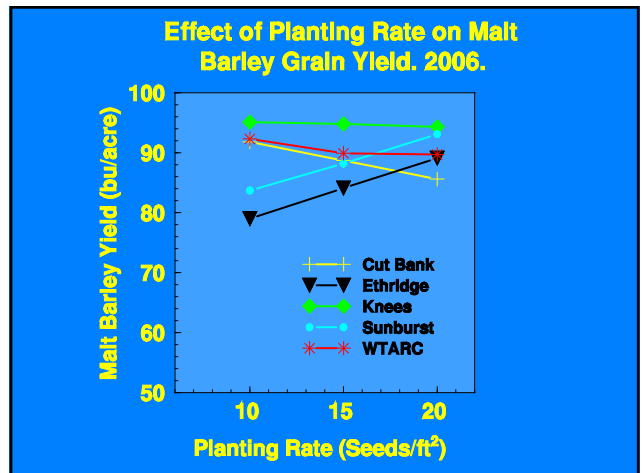
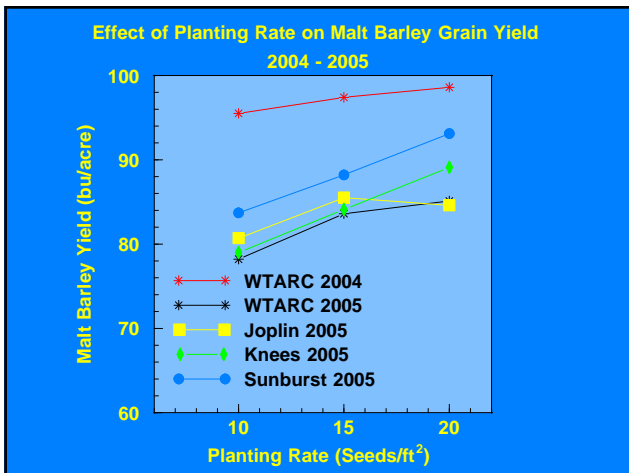
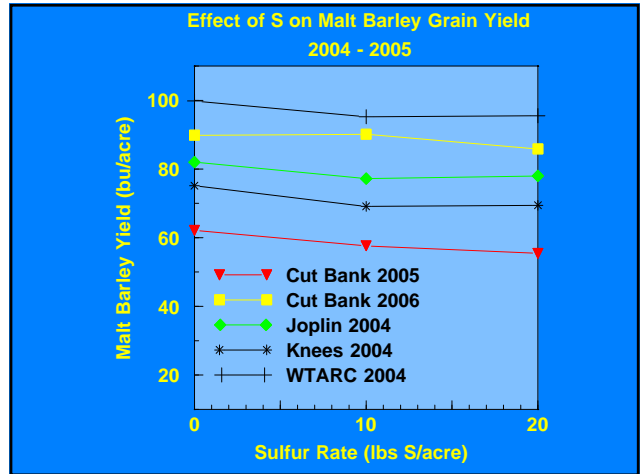
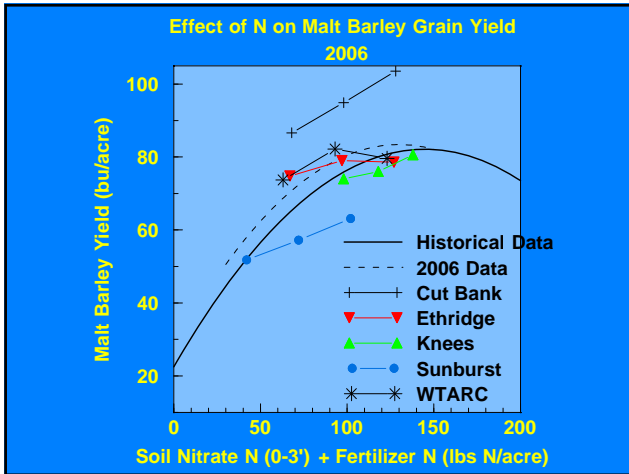


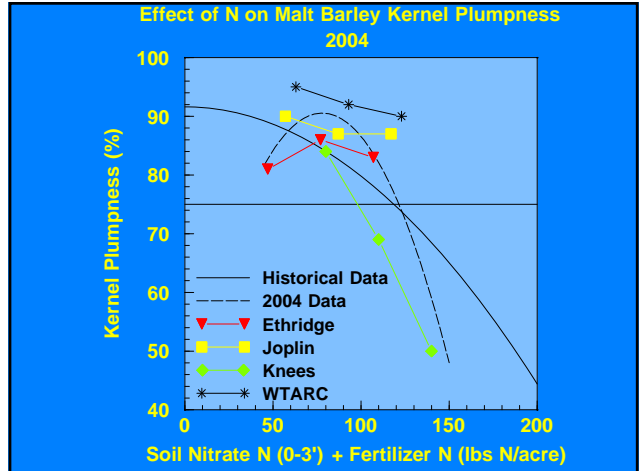
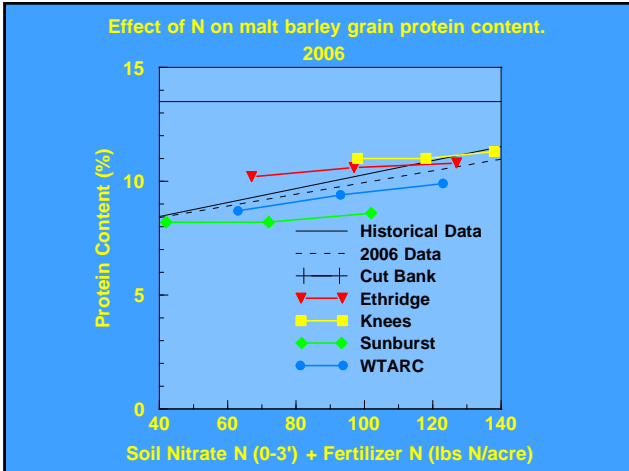
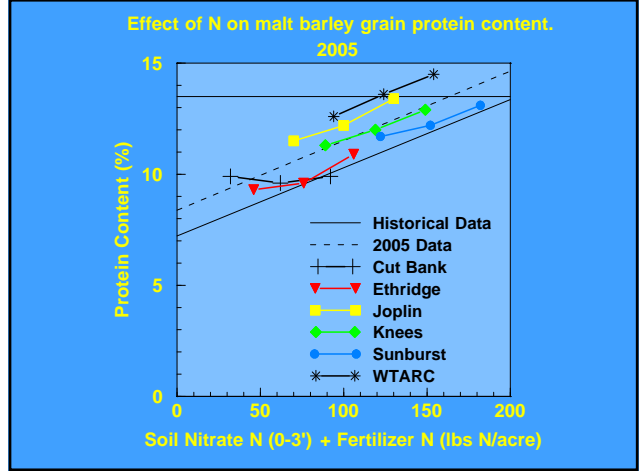
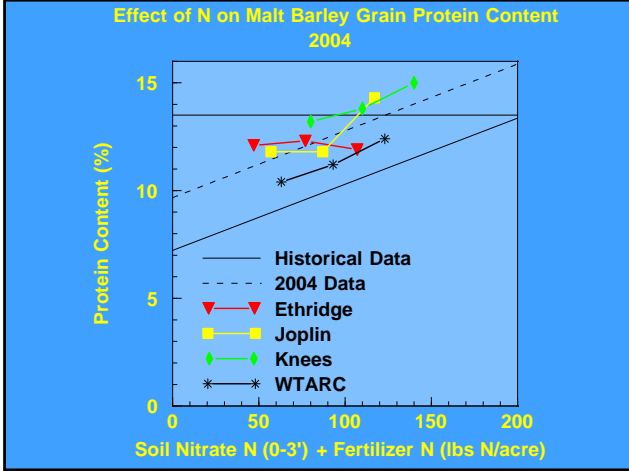


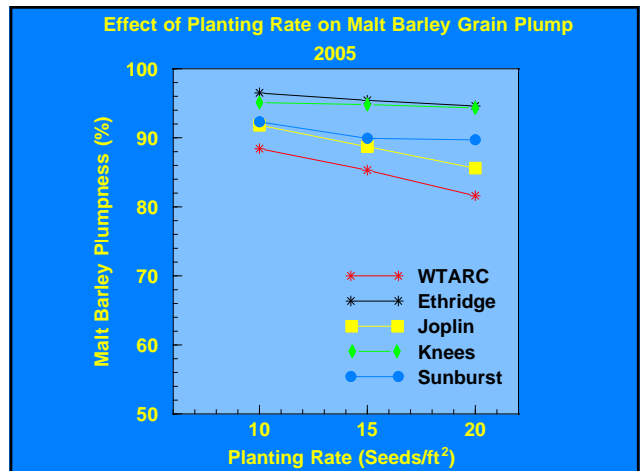
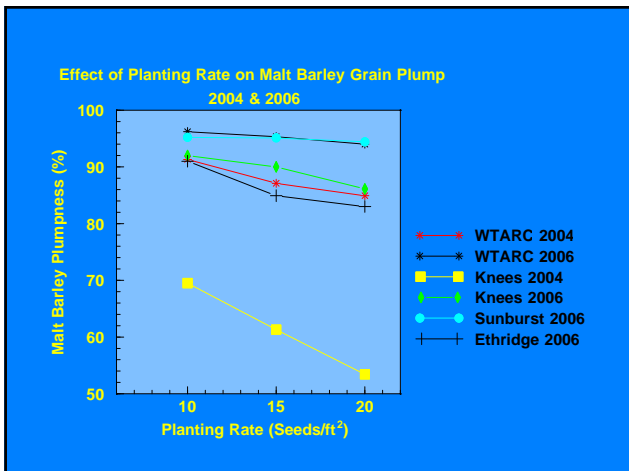
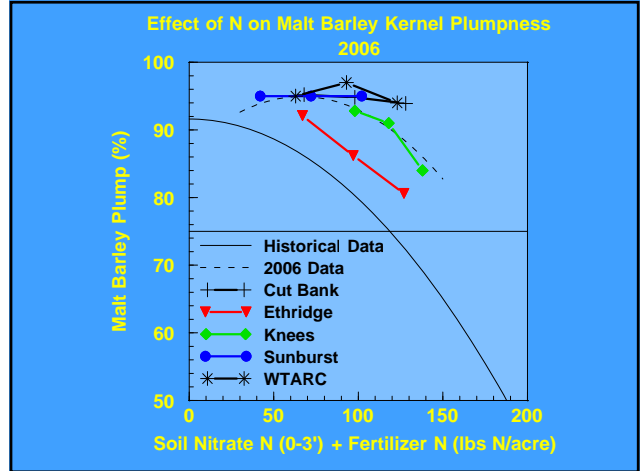
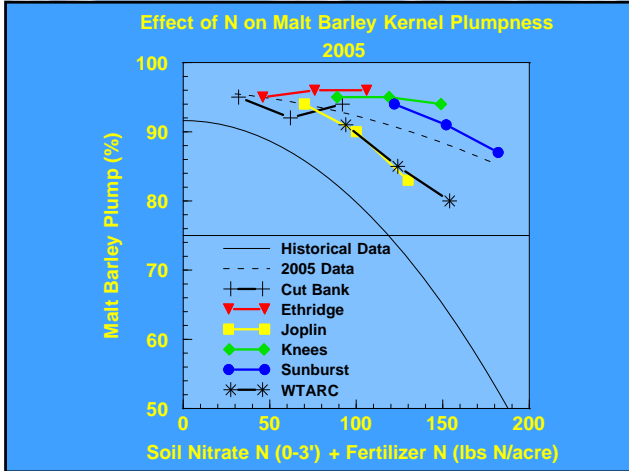
No. of Responsive Locations to N Rate, S Rate, and Planting Rate

Treatment	Yield	Plump	Protein
N Rate	12/17 + 2/17 -	13/17 -	14/17 +
S Rate	5/17 -	NS	2/17 + 3/17 -
Planting Rate	10/17 +	11/17 -	7/17 -









Conclusions

- Optimum planting rate for dryland malt barley is about 15 seeds per square foot;
- S fertilizers are not needed;
- N rate recommendations remain the same: 1.0 to 1.2 lbs N/bushel yield goal.
- http://landresources.montana.edu/FertilizerFacts/24_Nitrogen_Fertilization_of_Dryland_malt_Barley.htm