

Seeding cereals into a declining alfalfa stand

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What we did

- *Seeded several types and cultivars of cereals into an old alfalfa stand in fall of 2002*
- *Harvested by hand 4 times during the growing season*
- *At harvest measured nutrient concentration, uptake, ADF and bio-mass*

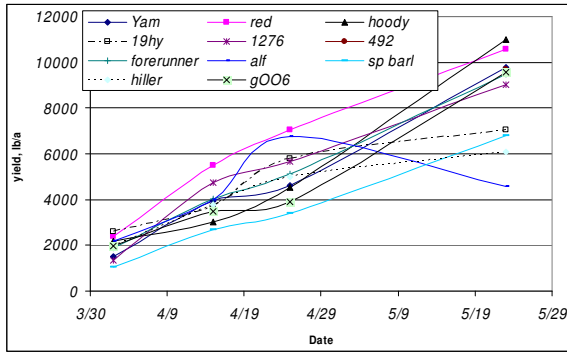
Cereals used

- *Wheat*
 - *Yamhill – Soft white*
 - *Hiller – Club*
- *Barley*
 - *Winter Hoody*
 - *19HY*
 - *Spring barley*

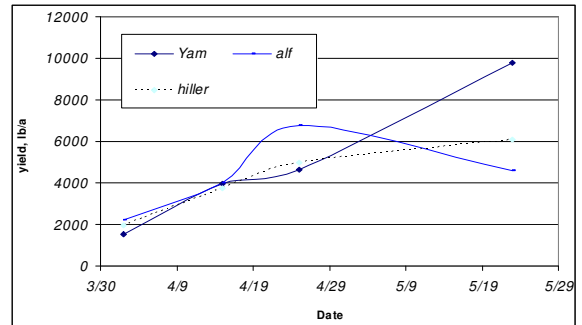
Cereals used (cont.)

- *Triticale*
 - *G006*
 - *Fore Runner*
 - *492*
 - *1276*
 - *Red One*
- *None – just alfalfa*

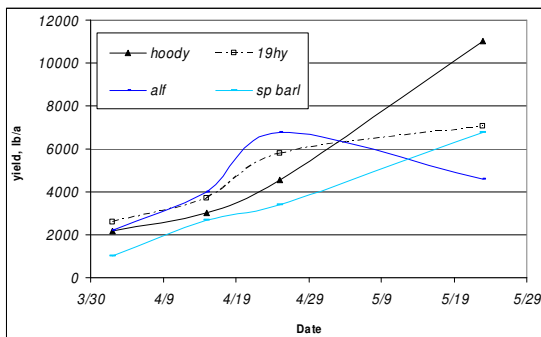
Biomass accumulation



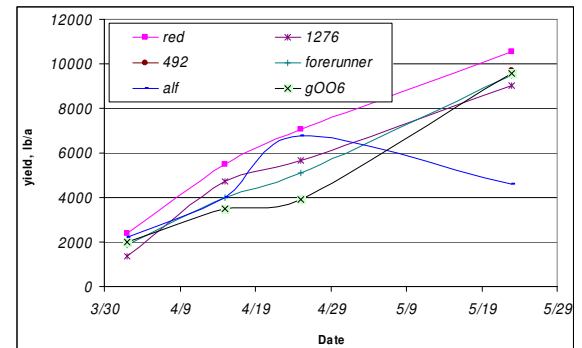
Biomass for the wheat



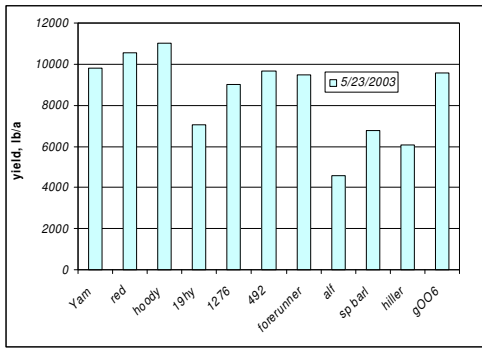
Biomass for the barley



Biomass for Triticale



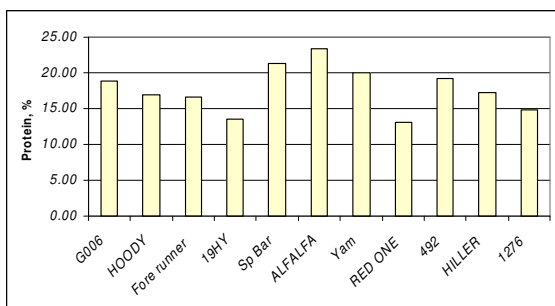
Yield at harvest



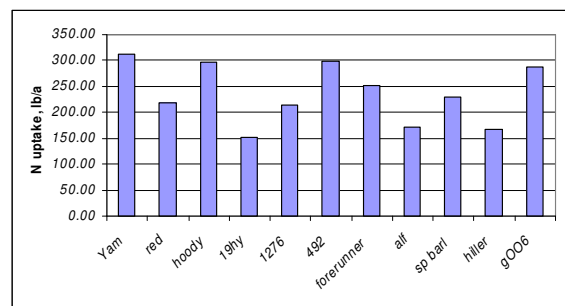
Measured

- N, P, K
- Ca, Mg, S
- Zn, Mn, Cu, Fe, B, Al
- ADF

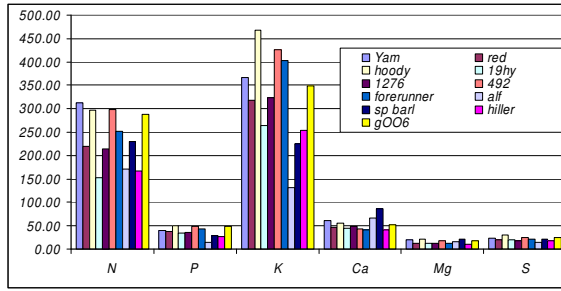
Protein



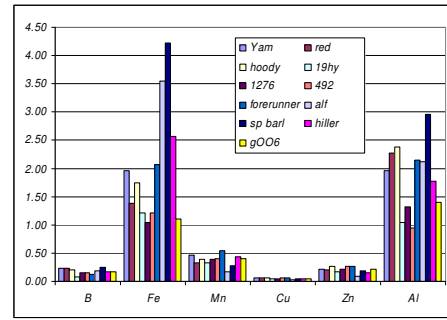
N uptake



N, P, K, Ca, Mg & S uptake



Micronutrients



ADF

