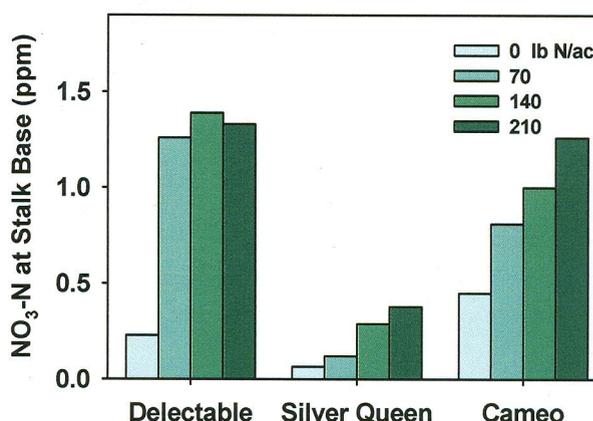
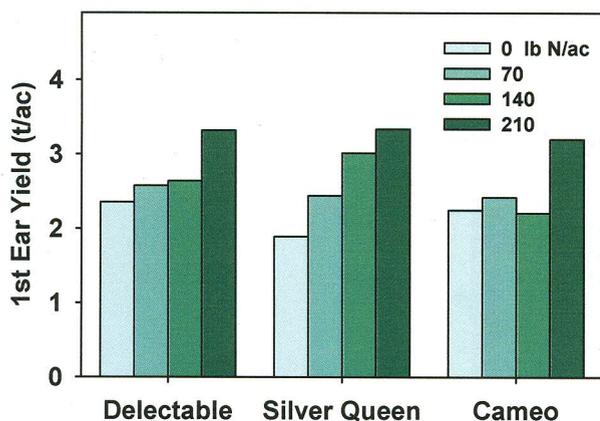
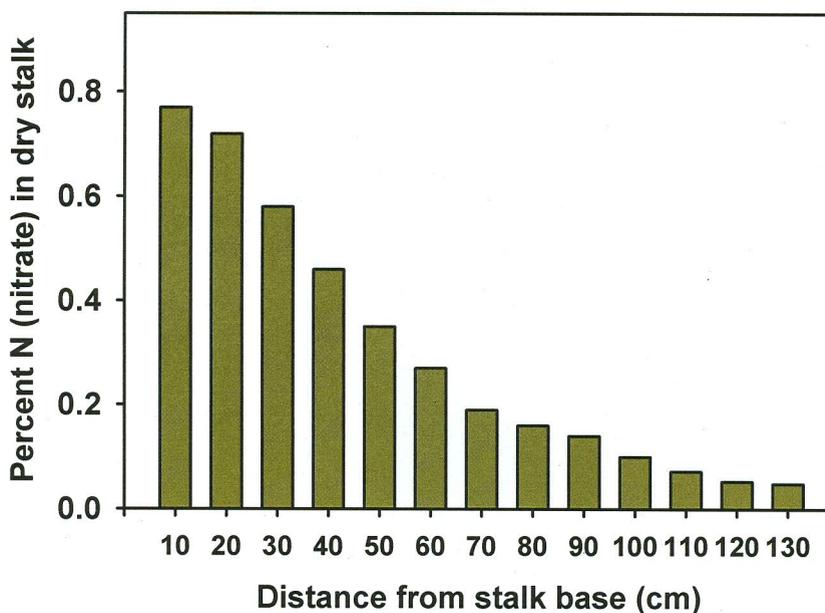




Nitrogen Sufficiency Test for Sweet Corn?



- Nitrate (NO_3^- -N) concentration in the lower field corn stalks is used to determine soil N sufficiency for corn grain.
- For maximum yield, stalk NO_3^- -N levels in the range of 0.5 to 2.0 g/kg (ppm) dry matter is needed at or after physiological maturity of corn.
- However, sweet corn is harvested at the early milk stage, so stalk NO_3^- -N levels would be expected to differ.
- Earlier studies indicated the critical concentration for sweet corn was 3.4 to 4.1 g/kg based on marketable ear number in 3 out of 4 years.
- However, stalk NO_3^- -N varied among hybrids examined.



Insufficient N

Opt.

Excess

Color of lower leaves indicate N status

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