

2018 – SWEET CORN RESEARCH PRIORITIES

High Priority:

Weed Control. Broadleaves and annuals. Refine timings for most effective herbicide applications. Herbicide rotations for resistance management.

Season Long Insect Control. Worm management especially western bean cutworm, corn earworm. Includes cultural and biological methods and evaluating new chemistries that can complement pyrethroids along with most effective timing of applications. Seed treatments for control of flea beetles, rootworms, black and variegated cut worms, wireworms and seed corn maggot with emphasis on efficacy and cost. Prepare for possible loss of neonicotinoid seed treatments. Monitor for Brown Marmorated Stink Bug and ECB.

Disease Management. Fungicides and varieties for disease management. Includes Rust, Stewarts Wilt, and especially Northern Corn Leaf Blight. Application timing as related to corn growth stage. Monitor for Goss's wilt and other emerging pathogens.

Variety Evaluation. Includes level of disease (especially for rust, NCLB and smut), insect susceptibility and horticultural characteristics.

Medium Priority:

New Nitrogen modeling technology on sweet corn industry found and adapted from grain corn industry.

Non-chemical Pest Management. Support for seeking external funding.