

2018 – PEA RESEARCH PRIORITIES

High Priority

Weed Control. In particular, chemical control of thistles, daisies, nightshade (with respect to both berry and Colorado potato beetle contamination) and grasses, particularly fall panicum, wild proso millet. Optimal timing for control with existing herbicides. Continue to evaluate new herbicides.

Contaminants (other than weeds). Colorado potato beetles (see comments under weed control above), daisies and especially slugs and snails. Plant debris, especially wheat and other cover crops with seeds containing gluten. Work with harvester manufacturers to develop better contaminant screening.

Variety evaluation. For root rots, yield, sieve size, and tenderometer readings. Continue evaluating afile types. Priority is for evaluations done under production conditions (grower fields).

Medium Priority:

Fertilizer evaluation. Techniques, application rates, and placement timing for effect on yield.

Inoculant and growth regulator evaluation as new products arise. Application rates, methods, timing for their effect on yield, tenderometer readings and maturity dates, methods to evaluate need for application (such as soil testing methodologies), and the development of methods to determine potential inoculant carry-over between crops (such as in pea following soybean).