

PEA RESEARCH REPORT—2012

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Eleven new and recently registered herbicides were evaluated for preemergence use in peas in 2012. The new herbicides were Grasp, Raft, Alion, Zidua, Gulliver, Command, and Xonerate. Also included were Dual Magnum, Prowl H2O, Pursuit, Sharpen, and Optill. Basagran + Thistrol was the chemical standard. With the exception of poor weed control in the Prowl H2O (hairy galinsoga and chickweed), Xonerate, and Raft treatments most of the other treatments provided greater than 90% weed control by 7/3/12. Early crop stunting occurred with Dual Magnum, Grasp, Alion, and Gulliver but despite this injury, yields were not reduced. Yields were lower with Xonerate and Raft, where a combination in early stunting and low weed control contributed to the reduction.

Of particular interest are the Zidua and Gulliver results. Will proceed with the companies to see if we can get them to support IR-4 residue trials or at least broader national phytotoxicity trials in 2013.