

The objective of this study was to evaluate barley tolerance to herbicides applied preemergence. The purpose is to find other herbicides that may be used in barley to control annual grasses where Group 1 resistance is a problem. Barley was planted on May 15 and herbicides were applied on May 16. We received the following rain events ( $\geq 0.10$  in). April and May were quite dry months, while June rainfall was plentiful and well-spaced. July and August were generally dry as well.

Slight to moderate injury symptoms were observed with all treatments. Injury symptoms persisted longer with Zidua, Pre-Pare, Outlook, and Fierce. However, there were no statistical differences in height (July 24), yield, or test weight. There was considerable variability in crop growth due to the dry soil conditions.

[illegible][illegible]