THE 2014 OHIO SOYBEAN FOLIAR TREATMENT TRIAL

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INTRODUCTION

The purpose of the Ohio Soybean Foliar Treatment Trial is to evaluate soybean foliar treatments for yield. This evaluation gives soybean producers comparative information for selecting soybean products for their unique production system.

FIELD PLOT DESIGN

The entries for each test site were planted in a randomized complete-block design. Each entry was replicated four times and planted in plots 28 ft. long and 5 ft. wide containing six rows seeded at 15-inch row width. The center four rows were harvested for yield. Seeding rate was 150,000 seeds per acre. All sites had corn as the previous crop and were no-till. Trials were located at the OARDC’s Northwest Agricultural Research Station (Wood County) and Western Agricultural Research Station (Clark County).

METHOD OF CONDUCTING TRIALS

Entries in Trials. All 2014 entries were submitted voluntarily by companies. Entry fee charges were paid per treatment. Application protocol and product rate were provided by the company. All products were tested on Asgrow 3231 seed treated with Acceleron (metalaxyl + pyraclostrobin + fluxapyroxad + imidacloprid).

LSD. Least Significant Difference (LSD) for yield was computed for both trial location. LSD’s are reported in bushels per acre at 13% moisture. Yields of two products are significantly different 90% of the time if their yields differ by more than the LSD value shown for that trial location.

MEASUREMENTS AND RECORDS

Yield. Soybeans were harvested when the moisture content was between 8 and 12% and yields reported in bushels per acre at 13% moisture.

DATA USE. Inclusion of entries in the Ohio Soybean Performance Trials does not constitute an endorsement of a particular entry by the Ohio State University, Ohio Agricultural Research and Development Center, or Ohio State University Extension.