

Variety	Group	Company/ Source	Organic Allison Farm Planted 6/18
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(poorly drained). The trial was arranged as a complete randomized block design with 3 replications. Two row plots were planted on 6/18/14 with a John Deere 12 row planter at a rate of 170,000 seeds/a. The field was rotary hoed and cultivated once. Also, moderate hand weeding was done to allow for weed-free plots. Plots ranging from 40 - 70 ft length were harvested with an old Kincaid plot combine on 11/7/14.

The WIU research farm is located ~ 2 miles north of Macomb, IL in central McDonough County. The variety trial was located in block 13, which is mapped as a Downs silt loam soil (moderately well drained). The trial was arranged as a complete randomized block design with 3 replications. Two-row plots were planted on 5/27/14 with a Kincaid JD71, 2-row plot planter at a rate of 160,000 seeds/a. Weed control included a herbicide application and moderate hand weeding to remove broadleaf weeds and volunteer corn. The herbicide application occurred on 5/28/14 and consisted of: 10 fl oz/ac Outlook, 9 fl oz/ac Authority Assist, 28 fl oz/ac Touchdown Total, and 2 lb/ac AMS. Plots ranging from 14 -17 ft length were harvested with an old Kincaid plot combine on 10/31/14.

Results

Soybean variety yields ranged from 46.4 to 56.3 bu/a at the Organic site and from 31.2 to 50.5 at the conventional site. Blue River Hybrids 34A7, the top yield yielding variety at the organic site (56.3 bu/a), ranked 6th at the conventional site. Great Harvest Organics GH 331N, the top yielding variety at the conventional site (50.5 bu/a), ranked 6th at the organic site. The top 3 varieties (yields averaged across both sites) were GH 331N (50.1 bu/a), BRH 39A4 (48.5 bu/a) and BRH 34A7 (47.2 bu/a).

Discussion

The 2014

due to avoiding heavy rains immediately after planting. Overall, yields at the organic site were acceptable, but yields at the conventional site were less than expected.