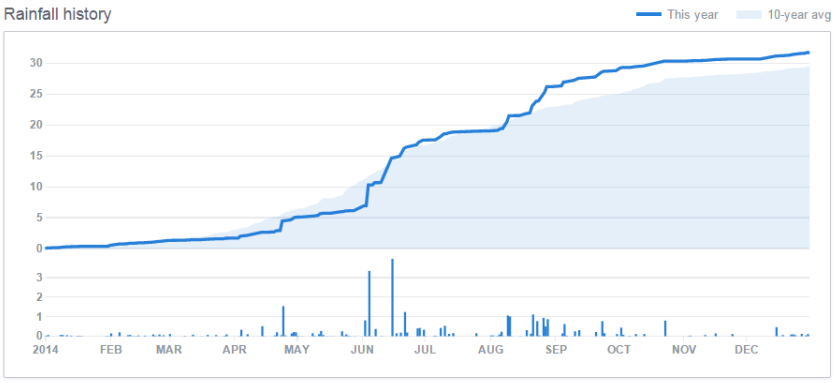
Nebraska On-Farm Research Network

Irrigated Soybean Population Study

Study ID: 021121201401
County: Merrick
Soil Type: Leshara silt loam
Planting Date: 5/22/2014
Harvest Date: Unknown
Row Spacing: 30”
Hybrid: Channel 2559 RR
Reps: 3

Previous Crop: Corn
Tillage: Conventional
Herbicides:
Pre: 2 oz/ac OpTill on 5/20/2014
Post: 32 oz/ac Roundup WeatherMax on 5/20/2014
Insecticides/Fungicides: Poncho/VOTiVO, CruiserMaxx
Irrigation: Pivot



Results:

	Yield† (bu/acre)	Net Return ‡
90,000 seeds/ac	71 B*	$658.57
120,000 seeds/ac	78 A	$715.71
150,000 seeds/ac	78 A	$702.86
P-Value	*0.0184*	--

†Bushels per acre are NOT corrected to dry yield. Moisture values not available.
*Values with the same letter are not significantly different at a 90% confidence level.
‡Net return based on $10/bu soybeans and $60/unit seed (140,000 seeds).

Summary: The 150,000 seeds/ac treatment was significantly higher yielding than the 120,000 seeds/ac treatment. There was no additional increase in yield for planting 180,000 seeds/ac. Of the populations tested, the highest net returns were at the 150,000 seeds/ac treatment level.

Sponsored by: University of Nebraska Lincoln

In partnership with: Soybeans Nebraska Soybean Board; Nebraska Corn Board; Nebraska Corn Growers Association