

Strip Tilled Soybean Trial at Minot

Tillage System	Variety	Days to Emerge	Maturity Date	Plant Height	Test Weight	Protein	Oil	Yield
		DAP ^a	Sept	inches	lbs/bu	%	%	bu/A
Strip Till	PS30-80	9	27	26	57.3	30.1	16.2	35.1
No Till	PS30-80	9	26	26	57.5	31.0	16.2	41.5
Strip Till	AG00932	9	15	25	57.2	31.0	15.7	29.0
No Till	AG00932	9	14	25	56.9	30.7	16.1	30.4
Trial Mean		9	20	25	57.2	30.7	16.0	34.0
C.V.%		0.0	4.8	8.0	0.9	2.9	2.1	15.2
LSD 5%		NS	1	NS	NS	NS	0.3	5.4

Combined Means

Tillage System	Days to Emerge	Maturity Date	Plant Height	Test Weight	Protein	Oil	Yield
	DAP ^a	Sept	inches	lbs/bu	%	%	bu/A
Strip Till	9	20	26	57.3	30.5	15.9	32.1
No Till	9	20	25	57.2	30.8	16.1	35.9
LSD 5%	NS	NS	NS	NS	NS	NS	NS

^a DAP = days after planting.

NS = no statistical difference between tillage systems.

Planting Date: June 7

Planting Rate: 100,000 PLS/A

Row Spacing: 15"

Harvest Date: October 16

Previous Crop: wheat

Soil Type: Williams Loam

Strip Till Machine: Dawn Equipment Pluribus system

Note: Oil, protein, and yield are adjusted to 13% moisture.

Summary: Strip tillage is a common farming practice in many areas of the country but not in North Dakota. The concept of strip tillage is to create a tilled seed bed while maintaining untilled soil between rows. This trial was the initial year of this study and although statistical differences between strip till and no till were not observed, final conclusions should be reserved following additional trials.