

Tillage

Two other oats trials can be found in the [table of tillage experiments](#). Both compare oats on ridges to oats on flat ground. **Tom Frantzen** found similar yields between the two practices. **Paul Mugge** observed a nearly 12 bushel advantage to ridge-till oats, but the trial was not set up for statistical evaluation.

Todd Hartsock continued his comparison of ridge-till and conventional tillage. In 1990 there was a small but significant soybean yield advantage to ridge tillage. The difference in equipment operating costs added to the yield advantage.

TILLAGE COMPARISONS					TILLAGE COMPARISONS						
			RIDGE-TILL		CONVENTIONAL						
COOPERATOR	CROP	PREVIOUS	TREATMENT COSTS	BU. YIELD	TRT COSTS	BU. YIELD	YIELD DIFF.	YLD. SIG.	YLD. LSD	RIDGE-TILL \$ BENEFIT	COMMENT
MUGGE	OAT	CORN	\$24.07	93.5	\$37.75	81.8	11.8	—	—	\$13.68	(UNRANDOMIZED)
FRANTZEN	OAT	SOYBEAN	\$5.23	63.4	\$5.41	62.0	1.4	N.S.	3.4	\$0.18	PRECULTIVATED RIDGES
HARTSOCK	SOYBEAN	CORN	\$0.00	35.9	\$4.85	34.4	1.5	*	1.1	\$8.19	SAME TRIAL IN CORN LAST YEAR
			RIDGE-TILL PLANT		NO-TILL PLANT						
TREIMER	SOYBEAN	CORN	\$8.90	47.6	\$22.82	44.6	3.1	N.S.	3.6	\$13.92	
			SUBSOILER		NO SUBSOILER					SUBSOILER \$ BENEFIT	
DORDT	SOYBEAN	CORN	\$11.93	43.7	\$0.00	47.2	-3.5	N.S.	4.1	(\$11.93)	