

Dunbar vs. Resnik Soybean Varieties

Arlo Cole

Private Industry Cooperator: Steve Mills

OBJECTIVE: To determine and document the profitability of Dunbar versus Resnik soybean varieties.

DUNBAR

Treatment:

Plant: Dunbar, planting rate of 64 pounds per acre, 15 " row spacing.

Herbicide: 1992-3 ounces Pursuit, 1 pint Command, .067 ounces Pinnacle, 1.5 pints Prowl and Induce

1993-6 ounces Preview and 1.5 pints Command

1994-5 ounces Canopy and 1.5 pints Dual

Harvest

RESNIK

Treatment:

Plant: Resnik, planting rate of 64 pounds per acre, 15" row spacing.

Herbicide: 1992-3 ounces Pursuit, 1 pint Command, .067 ounces Pinnacle, 1.5 pints Prowl and Induce

1993-6 ounces Preview and 1.5 pints Command

1994-5 ounces Canopy and 1.5 Pints Dual

Harvest

-Comparative cost (per acre)

	<u>1992</u>	<u>1993</u>	<u>1994</u>
Seed	\$21.10	\$14.08	\$14.08
Total	<u>\$21.10</u>	<u>\$14.08</u>	<u>\$14.08</u>

Comparative cost (per acre)

	<u>1992</u>	<u>1993</u>	<u>1994</u>
Seed	\$13.40	\$14.08	\$14.08
Total	<u>\$13.40</u>	<u>\$14.08</u>	<u>\$14.08</u>

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VARIABLE	1992 SOYBEANS	1993, SOYBEANS	1994 SOYBEANS
Final population (seeds/acre)			
Dunbar	122,000 ***	154,900 **	N/A
Resnik	150,000	164,800	N/A
Plant height			
Dunbar	32.1" **	32.5"	N/A
Resnik	33.0"	31.8"	N/A
Pod height			
Dunbar	5.2" ***	6.3"	N/A
Resnik	5.9"	6.0"	N/A
Moisture (%)			
Dunbar	10.2	13.9 ***	11.2 ***
Resnik	10.2	14.2	11.4
Test weight (pounds/bushel)			
Dunbar	56.9	57.6 ***	57.5 **
Resnik	51.1	56.8	56.8
Yield (13 %) (bushels/acre)			
Dunbar	48	48	65
		(3 Yr. Avg. = 54.0)	
Resnik	51	50	64
		(3 Yr. Avg. = 55.0)	

** significantly different at 95% confidence level

*** significantly different at 99% confidence level

summary: The yield difference between Dunbar and Resnik has not been statistically significant over the past three years.