

# Rapeseed Variety Trials, 1982

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## SEED YIELD OF RAPE VARIETIES AT PLANT BREEDING UNIT TALLASSEE, ALABAMA, WINTER 1981-82

THE NUMBER OF RAPE VARIETIES entered in the 1981-1982 yield trials was greatly increased compared to previous years (See *Rapeseed in Alabama*, Alabama Agr. Exp. Sta. Bull. 532, Nov. 1981). A replicated yield experiment was conducted at the Auburn University Plant Breeding Unit, Tallassee, Alabama. The plots were 5 x 15 feet, planted in rows spaced 12 inches apart on October 15, 1981. Nitrogen was applied in October and March at 50 pounds N per acre for each application. Dimethylate (Cygon®) was applied at bloom for aphid control. Results of this test, including harvest dates, are presented in the accompanying table. Information about the erucic acid content for some of these varieties can be found in the previously mentioned bulletin.

Observational nurseries consisting of single 3-foot rows were established at the Gulf Coast Substation, Fairhope, Alabama, the Prattville Experiment Field, Prattville, Alabama, and the Tennessee Valley Substation, Belle Mina, Alabama. Severe winter damage was noted in most varieties at the Prattville and Tennessee Valley locations. This probably was due to the exceptionally cold winter encountered in early 1982.

Entry	Seed per acre	Harvest date
	<i>Lb.</i>	
Quinta	2,526 a*	June 7
Herkules	2,357 ab	May 26
Primor	2,280 ab	May 26
WW843	2,260 ab	June 7
Gorzanski	2,248 ab	May 26
SVO 31	2,137 abc	May 26
Sipal	2,137 abc	May 26
Jet Neuf	2,103 abc	June 7
Norde	1,970 abc	June 7
Dwarf Essex	1,967 abc	May 18
Brink	1,931 bc	May 26
Rapora	1,921 bc	May 26
ORB	1,829 bc	May 18
WW696	1,820 bc	June 7
Wendlers	1,791 bcd	June 7
WW928	1,776 bcd	May 26
WW692	1,638 cde	May 26
Emil	1,275 def	June 7
Mary	1,236 ef	May 18
WW889	1,205 ef	June 7
Nora	1,162 ef	May 18
Wesbell	1,002 fg	May 18
Gulliver	966 fg	May 18
Willi	900 fg	May 18
Christa	772 fg	May 18
Tilde	755 fg	May 18
Line	753 fg	May 18
Westroona	578 g	May 18
Winfred	0 h	—
Argus	0 h	—

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\*Means within a column followed by the same letter are not significantly different at the 5 percent level.



