

2003 Summer Red Raspberry Yield and Evaluation

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Eight varieties of summer red raspberries, PCS-1, PCS-2, OAM-W2, PCA-B4, MDJ-W4, NAN-5, Emily (JAM-2) and Lauren, were planted May 26, 2000 at the Van Meter Farm in the Scioto River Valley. Soils at the site are predominantly Huntington silt loam. Plants were planted on 2 foot spacing and plots are replicated 4 times. Recommended pest control measures were followed to control weeds, insects, and disease. The main broadleaf weed problem encountered was Canada thistle that was pulled by hand. The main insect problems encountered were Japanese Beetle (<http://ohioline.osu.edu/hyg-fact/2000/2504.html>), sap beetles (<http://ohioline.osu.edu/hyg-fact/2000/2047.html>) and yellow jackets. Diseases were not a significant issue.

Results

	Total lbs/acre	Coef Var.	Gross \$/Acre*	Mean wt (g)	Range (g)
PCS-1	3686	19.2	5260.68	2.27	1.04-5.44
PCS-2	567	16.4	788.58	3.60	1.55-7.19
OAM-W2	3969	17.3	5883.25	3.41	1.37-6.42
PCA-B4	1701	26.9	2521.39	2.59	1.03-5.76
MDJ-W4	851	35.9	1136.18	4.12	1.47-5.05
NAN-5	2835	17.1	3994.80	3.68	1.44-8.02
Emily	284	53.3	363.16	3.91	0.66-6.75
Lauren	284	39.1	311.28	3.39	1.42-7.22

*Assume average price of \$1.83/lb for red from the USDA NASS February 2002 report on Ohio raspberries. Gross return/acre is based on marketable harvest, which ranged from 60-81%. The labeling of Switch for control of Botrytis fruit rot (gray mold) will help us increase our percentage of marketable fruit in the future.

PCS-1 and OAM-W2 began producing the first week in June followed by PCA-B4 the second week and the remainder of the varieties the start of the third week in June. Harvest was completed by the 2nd week in July with all varieties declining except PCS-2. The beetle pressure was severe at this time and made PCS-2 unfit for harvest.

Conclusions

It is important to note that gross sales do not include any costs of production, harvest or packaging. Further evaluation of these varieties will continue for a number of years to determine the role they have in raspberry production systems in southern Ohio, however Emily and Lauren are no longer replicated and are for observation only. While these

varieties have shown promise in other areas and may be suitable in other locations at this site they did not perform up to expectations.