

FERTILIZER TRIALS ON COMMANDER STRAWBERRIES

Driscoll Strawberry Associates, Inc.

Watsonville, California

**Natural Organic, Natural Based and Synthetic Compared at Equal Nitrogen Application Rate Levels Per Acre
1994**

Final - CMF Fertilizer Trial

1994 Year-To-Date Summary from 04/10/94 through 10/03/94

(Commander, SA1019, Planted 11/03/93, 13" spacing)

Treatment Plot **	lb./N Per Acre	No. of Picks	Yield		Berry Size	Brix (Sugar Content) 08/09/94	% Culls	Cull Distribution (by %)		
			3 Plot Avg. DSA Cr/A#	Tons/Acre Harvested	Avg. Grams			Small	Malf.	Rotten
Duration 120, 41-0-0 ¹	55.8	53	7600 a *	43.70	25.8	8.2	14.1	8.4	76.5	15.0
Duration 60, 41-0-0 ¹	55.8	53	7403 ab	42.61	25.8	9.5	13.8	6.1	75.7	18.13
Sustâne 5-2-4 Natural Organic²	55.8	53	7357 ab	42.30	25.3	10.0	15.7	7.7	77.7	15.0
Meister, 19-7-10 ¹	51.7	53	7289 ab	41.91	26.3	8.0	15.8	7.6	77.4	15.0
Custom Blend, 18-7-12 ¹	49.0	53	7225 ab	41.54	26.1	8.0	14.4	7.2	77.0	15.9
Unfertilized Control, 0-0-0	0	53	7110 ab	40.88	26.0	8.8	15.8	4.4	83.2	12.4
Soil Master, 8-3-43	54.5	53	7030 bc	40.42	25.7	7.8	15.4	10.3	77.1	12.6
InteGro, 7-7-7 ⁴	55.8	53	6560 c	37.72	26.2	9.0	16.5	5.0	80.1	14.9
Significance Level			0.04		0.49		0.13	0.81	0.69	0.48

* Numbers followed by the same letter are not statistically significant in difference

** All results shown are average values from three replicates per treatment

#Cr/A is Crates per acre; each crate is 11.5 lb.

¹ Synthetic fertilizers: Unlisted in *1993 Farm Chemicals Handbook* (may be unregistered experimental)

² Sustâne Natural Organic fertilizer: Aerobically composted turkey litter and feathermeal; Sustâne Corporation, Cannon Falls, Minnesota

³ Soil Master/General Purpose: Meat, bone, feathermeal, rock phosphate, sulfate of potash; California Organic Fertilizer, Fresno, California

⁴ InteGro: Chicken manure, urea ammonium phosphate; Sharan Fertilizers, Helm, California