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Table 1. 2007 Irrigated Safflower Planting Rate Trial at Logan, Utah (Cache Co.).

GPS: 41°45'56.33" N 111°48'50.33" W

Planted 4/17/07 , Harvested 9/18/07,

Soil Type: Millville Silt Loam. Elevation 4608 ft.

Applications 50 units of N, 25 units of P and 1.5 pts of Sonalan herbicide at pre-planting.

Previous crop: fallow. 10 hours of irrigation (3 total inches).

Variety	Seed Production lb DM/ac	Gross Income /acre*
S-208 @ 24 lbs	1982	367
S-208 @ 28 lbs	1924	356
S-208 @ 32 lbs	1860	344
S-208 @ 12 lbs	1845	342
S-208 @ 16 lbs	1735	321
S-208 @ 20 lbs	1693	313
S-208 @ 8 lbs	1671	309
S-208 @ 36 lbs	1567	290
Hybrid 9049 @ 16 lbs	2486	460
Hybrid 9049 @ 24 lbs	2377	440
Hybrid 9049 @ 20 lbs	2301	426
Hybrid 9049 @ 32 lbs	2209	408
Hybrid 9049 @ 36 lbs	2160	400
Hybrid 9049 @ 12 lbs	2159	399
Hybrid 9049 @ 28 lbs	2147	397
Hybrid 9049 @ 8 lbs	1950	361
Mean	2004	371

Significance of F test	<0.01	<0.01
LSD (0.05)	306	57
LSD (0.30)	159	30
CV (%)	9.2	9.2

* Gross income is based on market value of \$18.50 per cwt with no adjustments made for quality.

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