



Mike Pace - Box Elder County Extension  
 195 W 1100 S, Brigham City, UT 84302  
 Ph. 435-734-9945 email: mike.pace@usu.edu

Clark Israelsen - Cache County Extension  
 179 North Main Suite 111, Logan, UT 84321  
 Ph. 435-752-6263 email: clark.israelsen@usu.edu

Table 1. 2008 Dryland Safflower Variety Trial at Blue Creek, Utah (Box Elder Co.).  
 GPS 41°56'08.94" N 112°26'18.62" W  
 Planting Rate 15 lbs PLS/A, Planted 5/15/08, Harvested 10/29/08.  
 Soil Type: Timpanogos Silt Loam. Elevation 5138 ft.  
 Applications 50 units of N (16-16-8), and 2 pts of Sonalan herbicide at pre-planting.  
 Previous crop: Fallow.

| Variety       | Seed Production<br>lb DM/ac | Color Score | Oil Content % | Lbs of Oil   | Gross Income /acre* |
|---------------|-----------------------------|-------------|---------------|--------------|---------------------|
| HYBRID 16     | 1182                        | 5.0         | 37.9          | 449.0        | 355                 |
| SEEDTEC 5241  | 1117                        | 1.0         | 39.3          | 439.5        | 335                 |
| HYBRID 90     | 1053                        | 4.0         | 34.9          | 367.5        | 316                 |
| SEEDTEC S-333 | 1047                        | 1.0         | 43.2          | 451.8        | 314                 |
| HYBRID 9022   | 1002                        | 3.0         | 33.9          | 340.3        | 300                 |
| HYBRID 9049   | 988                         | 2.0         | 35.9          | 355.0        | 296                 |
| SEEDTEC 3151  | 982                         | 4.0         | 42.4          | 414.5        | 295                 |
| C/W 99-0L     | 948                         | 6.0         | 42.6          | 403.3        | 284                 |
| SEEDTEC S-719 | 923                         | 5.0         | 41.5          | 383.0        | 277                 |
| C/W 88-0L     | 919                         | 7.0         | 42.9          | 394.5        | 276                 |
| MONTANA 3538  | 905                         | 1.0         | 38.0          | 344.5        | 271                 |
| S-208         | 885                         | 1.0         | 41.6          | 369.0        | 266                 |
| MONTANA 7446  | 871                         | 2.0         | 39.1          | 340.8        | 261                 |
| SEEDTEC 2106  | 861                         | 1.0         | 44.2          | 379.8        | 258                 |
| SEEDTEC 4409  | 840                         | 1.0         | 41.5          | 348.5        | 252                 |
| FINCH         | 789                         | 1.0         | 38.0          | 300.3        | 237                 |
| MONTANA 3842  | 719                         | 10.0        | 47.6          | 340.8        | 216                 |
| MONTANA 2003  | 699                         | 2.0         | 40.3          | 281.3        | 210                 |
| <b>Mean</b>   | <b>929</b>                  | <b>3.2</b>  | <b>40.3</b>   | <b>372.4</b> | <b>279</b>          |

Significance of F test

|            |      |     |      |      |
|------------|------|-----|------|------|
| LSD (0.05) | 234  | 0.8 | 93.0 | 70   |
| LSD (0.30) | 122  | 0.4 | 49.0 | 37   |
| CV (%)     | 17.7 | 1.5 | 17.6 | 17.8 |

\* Gross income is figured on seed production at \$30.00 per cwt. Crop inputs (fertilizer, pesticides, equipment costs), color score, test weight and oil content were not figured into the gross income figure.

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**Table 2. 2-Year Average Production Results for Dryland Safflower Variety Trial at Blue Creek, Utah (Box Elder Co.).**

| Variety        | Production Year        |            | 2-Year Average |
|----------------|------------------------|------------|----------------|
|                | 2007                   | 2008       |                |
|                | ~~~~~ Lbs. DM/ac ~~~~~ |            |                |
| Hybrid 16      | 485                    | 1182       | <b>834</b>     |
| Hybrid 9049    | 503                    | 988        | <b>746</b>     |
| SeedTec 3151   | 484                    | 982        | <b>733</b>     |
| SeedTec S-719  | 498                    | 923        | <b>711</b>     |
| S-208          | 460                    | 885        | <b>673</b>     |
| SeedTec 2106   | 432                    | 861        | <b>647</b>     |
| Finch          | 454                    | 789        | <b>622</b>     |
| SeedTec 4409   | 400                    | 840        | <b>620</b>     |
| Montola 2003   | 369                    | 699        | <b>534</b>     |
| SeedTec 5241   |                        | 1117       | <b>1117</b>    |
| Hybrid 90      |                        | 1053       | <b>1053</b>    |
| SeedTec S-333  |                        | 1047       | <b>1047</b>    |
| Hybrid 9022    |                        | 1002       | <b>1002</b>    |
| C/W 99-OL      |                        | 948        | <b>948</b>     |
| C/W 88-OL      |                        | 919        | <b>919</b>     |
| Montana 3538   |                        | 905        | <b>905</b>     |
| Montana 7446   |                        | 871        | <b>871</b>     |
| Montana 3842   |                        | 719        | <b>719</b>     |
| SeedTec 5244   | 516                    |            | <b>516</b>     |
| SeedTec 1133   | 462                    |            | <b>462</b>     |
| Oleic 5        | 425                    |            | <b>425</b>     |
| SeedTec 5232   | 424                    |            | <b>424</b>     |
| Cardinal       | 422                    |            | <b>422</b>     |
| MonDak         | 422                    |            | <b>422</b>     |
| Nutrasaff      | 353                    |            | <b>353</b>     |
| <b>Average</b> | <b>444</b>             | <b>929</b> |                |