

Yield of 8 harvests of alfalfa varieties grown at UC WSREC, Five points, CA (2019) under high salinity (HS) and low salinity (LS) treatments in a split-plot design. Treatments were irrigated with 1.0-1.5 dS/m and 8.0-10 dS/m (ECw), for LS and HS respectively. Significant difference found in treatment and varieties but no treatment x variety interaction.

| Variety                 | Season Yield (ton/A) |      |         |
|-------------------------|----------------------|------|---------|
|                         | LS                   | HS   | Average |
| UC Salton               | 15.0                 | 13.4 | 14.2    |
| SW9573                  | 14.4                 | 13.3 | 13.8    |
| SW9106M                 | 15.2                 | 13.2 | 14.2    |
| AZ-88NDC                | 14.4                 | 13.0 | 13.7    |
| PGI 908-S               | 15.9                 | 13.0 | 14.4    |
| H0916ST223              | 13.8                 | 12.8 | 13.3    |
| CUF101                  | 13.7                 | 12.6 | 13.2    |
| 9R100                   | 16.0                 | 12.5 | 14.3    |
| SW9577                  | 14.8                 | 12.4 | 13.6    |
| Integra 8810S           | 15.6                 | 12.3 | 14.0    |
| UC Impalo               | 15.4                 | 12.3 | 13.8    |
| R814W257S               | 16.1                 | 12.0 | 14.1    |
| R814W258S               | 15.0                 | 11.9 | 13.5    |
| C0916ST232              | 13.4                 | 11.8 | 12.6    |
| SW8421RRS               | 16.2                 | 11.7 | 14.0    |
| AZ-90NDC-ST             | 14.8                 | 11.6 | 13.2    |
| SW9215RRS               | 15.8                 | 11.5 | 13.7    |
| H0915ST214              | 15.5                 | 11.5 | 13.5    |
| SW8476                  | 15.4                 | 11.5 | 13.4    |
| H0916ST216              | 12.6                 | 11.4 | 12.0    |
| R914W259S               | 15.4                 | 11.3 | 13.3    |
| H0916ST218              | 14.2                 | 11.2 | 12.7    |
| AFX149092               | 14.1                 | 11.1 | 12.6    |
| SW8409                  | 13.8                 | 11.0 | 12.4    |
| FGR814W275              | 14.0                 | 10.9 | 12.4    |
| H0715ST209              | 12.5                 | 10.8 | 11.6    |
| H0716ST222              | 14.0                 | 10.7 | 12.3    |
| H0716ST227              | 12.4                 | 10.5 | 11.5    |
| H0815ST210              | 14.3                 | 10.5 | 12.4    |
| H0715ST211              | 13.2                 | 10.2 | 11.7    |
| H0915ST212              | 13.8                 | 10.1 | 12.0    |
| SW8412                  | 13.3                 | 10.0 | 11.7    |
| H0916ST217              | 12.4                 | 9.9  | 11.2    |
| SW9576                  | 11.4                 | 9.9  | 10.6    |
| Treatment mean          | 14.4                 | 11.6 | 13.0    |
| CV%                     | 12.8                 |      |         |
| LSD (p=0.05)            | 1.6                  |      |         |
| salinity treatment      | ***                  |      |         |
| variety                 | ***                  |      |         |
| salinity trt. x variety | ns                   |      |         |