

use per day $\approx 2 \frac{1}{2}$ days). In a loam soil, 1 inch of irrigation could be applied every $5 \frac{1}{2}$ days (1.0 inch water $\div 0.17$ inch use per day $\approx 5 \frac{1}{2}$ days). The irrigation depths and frequencies calculated here assume uniform application of water by the system and a 1 foot root zone. If water is not applied uniformly actual irrigation requirements (inches applied) may be higher to insure that areas receiving less water from the system are irrigated adequately. During establishment, garden plants are also shallow-rooted and will generally require more frequent irrigations with less water to maintain a moist zone near the seed or transplant. For more information about irrigation scheduling, see the Utah State University Extension web site extension.usu.edu/drought.

Table 1. Monthly and total seasonal water use estimates (in inches) for gardens from various Utah locations.

| Location | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Season total |
|-----------------------|-----|------|------|------|------|------|------|------|------|-----|--------------|
| Beaver | – | – | – | 1.04 | 5.12 | 6.55 | 1.94 | 0.18 | – | – | 14.83 |
| Blanding | – | – | – | 1.70 | 3.60 | 6.74 | 3.86 | 0.72 | – | – | 16.62 |
| Castle Dale | – | – | – | 1.38 | 3.62 | 6.62 | 6.00 | 1.82 | 0.26 | – | 19.71 |
| Cedar City | – | – | – | 1.61 | 3.81 | 6.98 | 4.05 | 0.85 | – | – | 17.3 |
| Corinne | – | – | 0.15 | 2.14 | 6.19 | 5.98 | 1.94 | 0.79 | – | – | 17.19 |
| Delta | – | – | – | 1.66 | 4.02 | 7.76 | 4.41 | 1.05 | – | – | 18.90 |
| Farmington | – | – | 0.39 | 1.79 | 4.18 | 7.20 | 4.08 | 1.03 | 0.29 | – | 18.96 |
| Heber | – | – | – | 0.40 | 2.45 | 5.88 | 5.09 | 0.64 | – | – | 14.45 |
| Kanab | – | – | – | 2.08 | 4.82 | 7.35 | 2.92 | 1.20 | 0.40 | – | 18.76 |
| Logan | – | – | – | 1.61 | 3.43 | 6.44 | 4.56 | 0.62 | – | – | 16.66 |
| Manti | – | – | – | 1.26 | 3.06 | 6.16 | 6.12 | 1.43 | – | – | 18.03 |
| Moab | – | – | 0.26 | 2.23 | 5.62 | 7.21 | 2.46 | 1.28 | 0.55 | – | 19.60 |
| Nephi | – | – | – | 1.39 | 3.34 | 6.68 | 4.61 | 1.14 | – | – | 17.16 |
| Odgen (Sugar Factory) | – | – | 0.44 | 1.87 | 4.40 | 7.33 | 4.19 | 1.02 | 0.38 | – | 19.63 |
| Panguitch | – | – | – | – | 2.39 | 5.47 | 4.82 | 0.81 | – | – | 13.50 |
| Pleasant Grove | – | – | – | 1.89 | 4.82 | 7.08 | 2.43 | 0.88 | – | – | 17.09 |
| Richfield | – | – | – | 0.98 | 2.87 | 5.87 | 5.90 | 1.30 | – | – | 16.93 |
| Roosevelt | – | – | – | 1.70 | 3.79 | 7.17 | 4.84 | 1.13 | – | – | 18.63 |
| Salt Lake (Airport) | – | – | 0.55 | 2.07 | 5.30 | 7.28 | 2.62 | 0.97 | 0.21 | – | 18.99 |
| St. George | – | 0.45 | 1.57 | 4.15 | 7.85 | 6.95 | 2.03 | 1.31 | 0.54 | – | 24.84 |
| Tooele | – | – | – | 1.79 | 3.57 | 6.45 | 5.16 | 0.77 | – | – | 17.74 |
| Vernal | – | – | – | 1.83 | 3.82 | 6.99 | 4.82 | 0.70 | – | – | 18.15 |

Adapted from *Consumptive Use of Irrigated Crops in Utah*. Utah Agriculture Experiment Station Research Report No. 145. Oct 1994. The complete set of crops and sites can be found on the web at:

<http://waterrights.utah.gov/techinfo/consumpt/default.htm>

Utah State University is committed to providing an environment free from harassment and other forms of illegal discrimination based on race, color, religion, sex, national origin, age (40 and older), disability, and veteran's status. USU's policy also prohibits discrimination on the basis of sexual orientation in employment and academic related practices and decisions.

Utah State University employees and students cannot, because of race, color, religion, sex, national origin, age, disability, or veteran's status, refuse to hire; discharge; promote; demote; terminate; discriminate in compensation; or discriminate regarding terms, privileges, or conditions of employment, against any person other wise qualified. Employees and students also cannot discriminate in the classroom, residence halls, or in on/off campus, USU-sponsored events and activities.

This publication is issued in furtherance of Cooperative Extension work. Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Jack M. Payne, Vice President and Director, Cooperative Extension Service, Utah State University. (EP/DF/06/02)