

# ALMOND CROP DATA SHEET

Almond Water Management (Mature, Drip)  
 BUD BREAK: February 15

SOIL: Coarse and Fine Textured  
 DORMANCY: November

**EFFECTIVE PRECIPITATION:** The average effective precipitation during the growing season is about 1" (0.1'). A portion of the winter rainfall may be stored in the root zone. However, only 35-50 percent of the winter rainfall can be considered effective because the ground is not covered.

**ROOT ZONE:** The effective root zone for mature trees can extend to a depth of six feet in fine soils and to more than 9 feet in coarse unrestricted soils.

**ALLOWABLE DEPLETION:** Allowable depletions should range from 50 percent for fine textured soils to 70 percent for coarse textured soils.

**STRESS SENSITIVE PERIODS:** Severe water stress during bloom and kernel filling can cause sizeable yield reductions.

**IRRIGATIONS:** It is important to fill the entire root zone with water during the winter or at the beginning of the growing season. Insufficient irrigations early in the season can cause severe water stress by the end of harvest. This is particularly critical because the trees may have to go without an irrigation for up to 6 weeks during harvest. The amount of water required to fill the root zone will depend on the residual soil moisture and the moisture contributed by winter rains. Irrigations should be managed to avoid standing water around the trees.

**Post Harvest** - If leaves are remaining on the trees, an irrigation immediately after harvest replaces moisture which goes into bud differentiation during the period between September and November.

**WATER BUDGETING:**

Average Seasonal ET (N/C/S)      2.9/2.9/2.6'  
 Average Effective Precipitation      0.2'  
 Average Salinity Control              0.3'

Water Use-in.*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Northern		0.1	1.0	3.2	5.4	6.9	7.8	5.7	3.1	1.4			34.6
Central		0.1	1.2	3.5	5.7	7.3	7.9	5.5	2.9	1.2			35.3
Southern		0.1	1.1	5.1	5.1	6.5	7.0	4.8	2.4	0.9			31.1
Deliveries-%				10	20	25	25	20					100

\* Trees irrigated with micro-irrigation system.