

# IRRIGATION PRODUCTION REPORT

## 2025 Irrigation Season (April - October)

- **Peak Production:** July (436.5 acre feet) driven by maximum irrigation demand
- **Total Season Production:** 1,689 acre feet (April-October)
- **Average Monthly Production:** 241 acre feet per month during season
- **Growth Pattern:** Significant demand ramp-up from April (33 AF) through July peak, sustained through August, then sharp fall-off in September-October
- **System Reliability:** All three sources maintained consistent service throughout season

## IRRIGATION SEASON OVERVIEW

The irrigation system serves three distinct distribution zones through coordinated secondary water delivery. The 2025 season operated from April through October, with production data showing clear demand patterns and zone-specific performance characteristics.

Water Source	Total Season Production	% of Total	Monthly Average
North Canyon	747.2 Acre Feet	44.1%	106.7 AF
Val Verda	554.0 Acre Feet	32.7%	79.1 AF
Terminal	397.5 Acre Feet	23.5%	56.8 AF
TOTAL	1,698.7 Acre Feet	100%	242.7 AF

Table 1: Irrigation Season Production Summary by Source - April through October 2025

**Source Distribution Notes:**

- North Canyon represents the largest share of irrigation supply (44.1%)
- Val Verda provides secondary irrigation supply (32.7%)
- Terminal provides supplemental irrigation supply (23.5%)
- Combined system demonstrates diversified sourcing with North Canyon as dominant supply

# MONTHLY PRODUCTION ANALYSIS

## Seasonal Demand Patterns

The irrigation season demonstrates predictable demand patterns:

Month	Total Production	% Change from Prior	Daily Average
April	32.9 AF	—	1.1 AF/day
May	205.6 AF	+525.2%	6.8 AF/day
June	333.0 AF	+62.1%	11.1 AF/day
July	436.5 AF	+31.1%	14.6 AF/day
August	340.4 AF	-22.0%	11.3 AF/day
September	281.9 AF	-17.2%	9.4 AF/day
October	58.4 AF	-79.3%	1.9 AF/day
TOTAL	1,689 AF		8.1 AF/day avg

### Seasonal Observations:

- **Early Season (April-May):** Dramatic ramp-up as irrigation season begins; production increases 525% from April (33 AF) to May (206 AF)
- **Mid-Season Building (May-June):** Continued demand growth with 62% increase as summer peak approaches
- **Peak Season (July):** Maximum demand with production reaching 436.5-acre feet—13.2x April baseline
- **August Plateau:** High sustained demand at 340.4-acre feet (only 22% below July peak)
- **Season Decline (September-October):** Sharp fall-off as irrigation season concludes; October represents minimal demand (58.4 AF, 79% below September)

# SUMMARY

## 2025 Irrigation Season Summary Statistics

Metric	Value
Total Season Production (Apr-Oct)	1,689 Acre Feet
Average Monthly Production	241 Acre Feet
Peak Monthly Production (July)	436.5 Acre Feet

Minimum Monthly Production (April)	32.9 Acre Feet
Daily Average (Annual)	8.1 AF/day
Peak Daily Average (July)	14.6 AF/day
Peak Month Index (July vs April)	13.2x