

TURF WATER USE INFORMATION FOR NORTHERN ARIZONA

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Introduction

Turf water use information is now available for selected Northern Arizona locations via the Internet or e-mail. This free service is provided by the Arizona Meteorological Network (AZMET) which generates turf water use estimates using meteorological data collected from a network of automated weather stations.

To begin using this free service, simply select a report format and choose the delivery method that best fits your operation. This brochure provides the details you need to begin accessing this information today.

Select A Format

Information on turf water use is available in two ready-to-use formats. Select the format that best fits your needs. The simple *Lawn Watering Guide* (Fig. 1) format provides an estimate of water use over the previous 2 days for acceptable quality turf (parks & lawns) grown in Flagstaff, Payson and Prescott.

Northern Arizona Lawn Watering Values for JUN 23, 2004

Flagstaff	.32"
Payson	.35"
Prescott	.36"

Water required on your lawn if you last irrigated 2 days ago and it has not rained.

Fig. 1. Example of a Lawn Watering Guide.

The second more detailed report format, known as the *Northern Arizona Turf Water Use Report* (Fig. 2), provides location-specific water use information for the past 1, 2 and 7 days for acceptable and high quality turfs (golf courses and sports fields). This report format also provides standardized reference evapotranspiration (ET_o) and precipitation for the past 1, 2 and 7 days.

Northern Arizona Turf Water Use Report June 23, 2004

Water Use in Inches For Previous

LOCATION	DAY		2 DAYS		7 DAY	
	AC	HQ	AC	HQ	AC	HQ
Flagstaff	.15	.18	.32	.38	1.06	1.25
Payson	.17	.20	.35	.42	1.22	1.44
Prescott	.18	.21	.36	.43	1.25	1.48

AC: Acceptable Quality Turf
HQ: High Quality Turf

Reference ET(ET_o) & Precipitation (PT) For Previous

LOCATION	DAY		2 DAYS		7 DAYS	
	ET _o	PT	ET _o	PT	ET _o	PT
Flagstaff	.19	.00	.40	.00	1.32	.05
Payson	.21	.00	.44	.00	1.52	.07
Prescott	.22	.00	.45	.00	1.56	.02

Fig. 2. Example of The Northern Arizona Turf Water Use Report.

Select a Delivery Method

Lawn Watering Guides and Northern Arizona Turf Water Use Reports are available via the Internet or e-mail. Select the delivery system that best suits your needs.

Internet Access

Internet access is provided through the Northern Arizona Turf Water Management Web Page (Fig. 3). Simply log on to the Internet via your Internet Service Provider and enter the following URL address:

<http://ag.arizona.edu/azmet/nazturf.htm>

**Northern Arizona
Turf Water Management**

Lawn
Watering
Guide

Turf
Water Use
Report

Local Weather Information			
Flagstaff	Yesterday	Current	Forecast
Prescott	Yesterday	Current	Forecast
Payson	Yesterday	Current	Forecast

Fig. 3. The Northern Arizona Turf Water Management Web Page. Click on the appropriate box to access Lawn Watering Guides or Northern Arizona Turf Water Use Reports.

To view either report format, use the computer mouse to place the cursor over the appropriate labeled box and then click the mouse. Please note that the Northern Arizona Turf Water Management Web Page also provides access to additional information on weather, turf culture and irrigation management.

E-mail Delivery

Lawn Watering Guides and Northern Arizona Turf Water Use Reports are also available from AZMET via e-mail. To initiate free e-mail delivery, simply send your name, address, employer/business affiliation, location of turf facility, desired report format and e-mail address to AZMET. You may contact AZMET by e-mail, phone or mail using:

e-mail: azmet@cals.arizona.edu

phone: (520) 621-9742

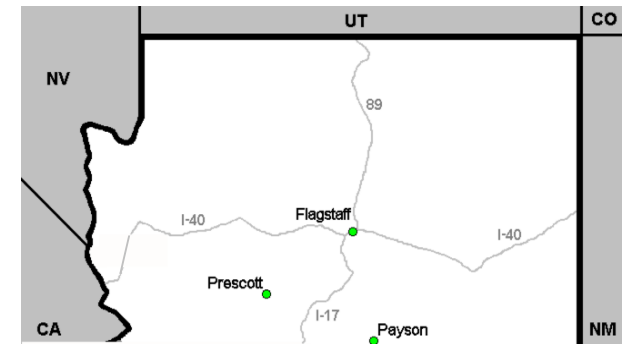
regular mail:
AZMET
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429 Shantz Bldg. #38
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Tucson, AZ 85721

Background Information

Turf water use estimates are provided by the Arizona Meteorological Network (AZMET). AZMET operates automated weather stations in selected Northern Arizona locations for the purpose of providing turf water management information. Water use estimates are developed by applying appropriate turf crop coefficients to daily values of reference evapotranspiration (ETos). AZMET ETos values are generated using the standardized version of the Penman Monteith Equation.

Turf water use values provided by this service represent gross daily evapotranspiration (ET) rates for turf. The amount of irrigation required may be more or less than the ET indicated due to rainfall and/or irrigation system nonuniformity and efficiency.

NORTHERN ARIZONA AZMET WEATHER STATIONS



Name	Location
Flagstaff	Continental Country Club
Payson	Green Valley Park
Prescott	Watson Lake Park