

# Water Triggers Overview

Hydrawise uses local, real-time weather forecasting and the most accurate weather stations

available to fine-tune your irrigation system to current conditions. Water triggers are the settings in your Hydrawise software that can be adjusted based on your watering requirements. When a trigger met the adjusted threshold, it will make the change in the software to either **adjust watering schedule** or **cancel watering**.

## Watering Adjustment Chart

Predictive Watering Adjustments			
	Time Based	Virtual Solar Sync	Smart (ET)
Don't water when today's forecast temperature is less than (X)	X	X	
Water <b>30% (Edit)</b> less when today's forecast temperature is less than (X)	X		
Water <b>100% (Edit)</b> more when today's forecast temperature is above (X) and humidity is below <b>100%</b>	X		
Don't water when the chance of rain is higher than (X)	X	X	
Don't water when today's forecast wind speed is higher than (X)	X	X	
Use forecast temperature to predict smart watering			X
Use forecast rainfall to predict smart watering			X
Weather Station Adjustments			
Don't water when the last 24 hr rainfall is higher than (X)	X	X	
Don't water when the last (X) days rainfall is higher than	X	X	

## Triggers that Cancel Irrigation

- **Aborted Due to High Probability of Rain**

- Forecast chance of rain is higher than trigger, schedule will reset/check again the following day
- **Aborted Due to High Forecast of Wind Speed**
  - Local wind speed is higher than mph set in trigger, schedule will reset/check again the following day
- **Not Watering Due to Low Temperature**
  - Forecast High Temperature is lower than temperature set in trigger, schedule will reset/check again the following day
- **Aborted Due to High Weekly Rainfall**
  - Total amount of rain for the last 7 days is higher than trigger, schedule will reset after the last 7 days is less than trigger
- **Aborted Due to Rainfall Higher last 24 hr**
  - Previous day's rainfall is higher than set in trigger, schedule will reset/check again the following day

## Triggers that Adjust Schedule

- Water **30% (Edit)** less when today's forecast temperature is less than **(X)**
- Water **100% (Edit)** more when today's forecast temperature is above and humidity is below **100%**

You can configure watering triggers for either **Time Based watering**, **Smart (ET) watering** or **Virtual Solar Sync**.

## Time-Based Predictive Watering™

When using the time based watering type, you will have the following options listed below when setting up your zone:

### Trigger Options In Station Settings

**Predictive Watering™**  
Adjust watering based on the following triggers

**Don't water when:**

- ☒ Forecast below 60°F
- ☒ Wind above 9mph
- ☒ 3in+ rainfall last 7 days
- ☐ 80%+ chance of rain
- ☒ 0.5in+ rainfall last day

**Adjust watering:**

- ☒ Water 30% less when below 73°F
- ☒ Water longer when hot
- ☐ Water more often when hot

In addition to daily predictive watering adjustments you can specify monthly adjustments using the chart below

Month	Percentage
Jan	40
Feb	50
Mar	60
Apr	70
May	80
Jun	100
Jul	100
Aug	100
Sep	80
Oct	70
Nov	60
Dec	50

**Note:** Trigger will not be applied if box is unchecked ( ☐ ).

The timed based triggers can be accessed from the Water Trigger section on the dashboard. To configure your **Predictive Watering™** triggers click on Watering Triggers. You will see the options listed below:

### Water Triggers

#### Predictive Watering™ Adjustments

Manage your watering based on weather forecasts. Choose which adjustments to apply when editing a zone.

Don't water when today's forecast temperature is less than

60 F

0 F 130 F

Water 30 % less when today's forecast temperature is less than

73 F

0 F 130 F

Water 100 % more when today's forecast temperature is above

90 F and humidity is below 100 %

0 F 130 F

Don't water when the chance of rain is higher than

80 %

0 % 100 %

Don't water when today's forecast wind speed is higher than

9 mph

0 mph 62 mph

Use forecast temperature to predict smart watering

Use forecast rainfall to predict smart watering

#### Weather Station Adjustments

Automatically stop your watering based measurements from your weather stations

Don't water when the last 24hr rainfall is higher than

0.5 in

0 in 5 in

Don't water when the last 7 days rainfall is higher than

3 in

0 in 5 in

For more information on the following triggers below for Time Based Watering, click on the links:

[Water more often when hot](#) <sup>[1]</sup>

[Water longer when hot](#) <sup>[2]</sup>

## Smart (ET) Watering

Using forecast evapotranspiration helps to predict the right watering schedule for your zones, giving you a more accurate picture of when the zones will next run.

You can choose whether to use the forecast temperature to predict smart (ET) watering, and whether to use forecast rainfall to delay smart (ET) watering. Watering Schedules will be estimated up to 30 days from today based on forecast and historical temperatures and

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rainfall. The predicted schedules will be progressively updated each day based on actual weather conditions and new forecasts.

Your watering schedule is updated based on actual weather conditions shortly before your first Program Start Time each day.

You can view the watering adjustments for Smart Watering by clicking [here](#) [3].

For more information on how Time Based Watering works compared to Smart Watering please check out our video guide [here](#) [4].

Trigger Options In Station Settings

Predictive Watering™

Your schedule is adjusted each day using ET from your weather stations. In addition to ET adjustments you can use the following Watering Triggers:

⚙ Don't water when:

☒ Forecast below 60°F

✎ Predict watering using:

☒ Forecast ET

☒ Forecast rainfall

In addition to daily ET adjustments you can specify a monthly adjustment using the chart below

Percentage

200

150

100

50

0

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Note: Trigger will not be applied if box is unchecked ( ☐ ).


The Smart (ET) Watering triggers can be accessed from the Water Trigger section on the dashboard. To configure your **Predictive Watering™** triggers click on Watering Triggers. You will see the options listed below:

Water Triggers

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Predictive Watering™ Adjustments

Manage your watering based on weather forecasts. Choose which adjustments to apply when editing a zone.




Don't water when today's forecast temperature is less than

☒ 60 F

0 F

130 F




Water 30 % less when today's forecast temperature is less than

☒ 73 F

0 F

130 F




Water 100 % more when today's forecast temperature is above

☒ 90 F

0 F

130 F

☒ and humidity is below 100 % ☒




Don't water when the chance of rain is higher than

☒ 90 %

0 %

100 %




Don't water when today's forecast wind speed is higher than

☒ 62 mph


0 mph

62 mph



Use forecast temperature to predict smart watering

☒




Use forecast rainfall to predict smart watering

☒

Weather Station Adjustments

Automatically stop your watering based measurements from your weather stations




Don't water when the last 24hr rainfall is higher than

☒ 0.5 in

0 in

5 in



Don't water when the last 7 days rainfall is higher than

☒ 2 in

0 in

5 in

Smart (ET) Watering: Quick Reference Chart

Trigger	Adjustment
Uses forecast temperature to predict smart watering	(On/Off)
Uses forecast rainfall to predict smart watering	(On/Off)

Virtual Solar Sync™

When using the Virtual Solar Sync type, you will have the following options listed below when setting up your zone:

Trigger Options In Station Settings

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### Predictive Watering™

Adjust watering based on the following triggers ⓘ

⚙️ Don't water when:

☒ Forecast below 60°F

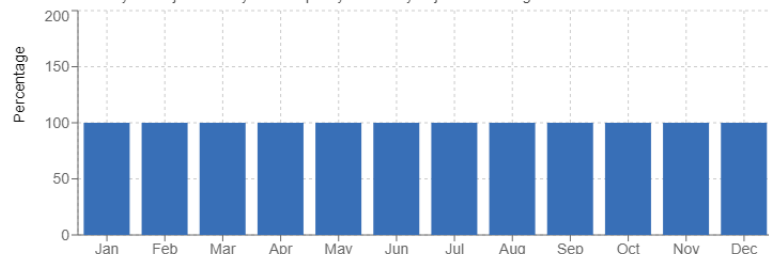
☒ 80%+ chance of rain

☒ 3in+ rainfall last 7 days

☒ Wind above 9mph

☒ 0.1in+ rainfall last day

In addition to daily ET adjustments you can specify a monthly adjustment using the chart below



**Note:** Trigger will not be applied if box is unchecked ( ☐ ).

The VSS triggers can be accessed from the Water Trigger section on the dashboard. To configure your **Predictive Watering™** triggers, click on Watering Triggers. You will see the options listed below:

## Water Triggers

### Predictive Watering™ Adjustments

Manage your watering based on weather forecasts. Choose which adjustments to apply when editing a zone.

Don't water when today's forecast temperature is less than

☒ 60 F

0 F 130 F

Water 30 % less when today's forecast temperature is less than

☒ 73 F

0 F 130 F

Water 100 % more when today's forecast temperature is above

☒ 90 F and humidity is below 30 % ☒

0 F 130 F

Don't water when the chance of rain is higher than

☒ 80 %

0 % 100 %

Don't water when today's forecast wind speed is higher than

☒ 9 mph

0 mph 62 mph

Use forecast temperature to predict smart watering

☒

Use forecast rainfall to predict smart watering

☒

### Weather Station Adjustments

Automatically stop your watering based measurements from your weather stations

Don't water when the last 24hr rainfall is higher than

☒ 0.1 in

0 in 5 in

Don't water when the last 7 days rainfall is higher than

☒ 3 in

0 in 5 in

