

CROPTIME

VEGETABLE MODELS

Amaranthaceae
Spinach

Apiaceae
Carrot & Parsnip

Asteraceae
Lettuce

Brassicaceae
Broccoli, Cauliflower,
Cabbage & Kale

Cucurbitaceae
Cucumber, Summer
Squash & Winter Squash

Fabaceae
Snap beans

Poaceae
Sweet Corn

Solanaceae
Pepper & Tomato

WEED MODELS

Solanum physalifolium
Hairy Nightshade

Chenopodium album
Lambsquarter

Amaranthus retroflexus
Redroot Pigweed



CROPTIME

Online degree-day
models for
vegetables



QUICK GUIDE

Using CROPTIME models
to schedule vegetables
& manage weeds

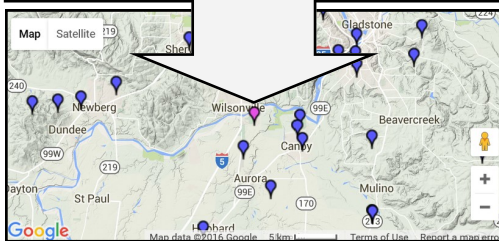


Funded by USDA-NIFA's Western
Sustainable Agriculture Research &
Education program, Oregon Tilth, Inc. and
the Clackamas Extension Innovation
program

Step 1
Go to the Croptime website:
smallfarms.oregonstate.edu/croptime.
The online how-to video may be helpful.

Step 2
Select the Croptime Calculator.

Step 3
Select a nearby weather station using
the google map at the top of the page.
Avoid stations with bad data alerts or
low QA scores.



Step 4
Under "Model" use the drop-down
menu to select the vegetable variety,
weed or insect model you wish to use.

Step 5
What are you trying to achieve (i.e.
continual harvest starting July 1)

Step 6
Enter up to four planting
dates or start dates for veg-
etable or weed models.

Step 11
Review "Model Output". The first
eight columns show date,
weather, degree-days, day-
length & weather station QA.

Step 10
Review "Model Inputs" to make sure
you input the information you intended.
Then scroll down to Model Output.

Click here to see full model output

Step 9
Look at the model preview if you like. It shows
models events for the first planting date.

Step 8
Turn default output format options off if desired.
Condensed output (default) shows days with
model events. Full output shows every day.
Day-length can be shown for each day (default).
Enter a critical day-length if desired.

Step 7
Select long-term forecast type. Options include:
previous year, year before that, 10-year ave., 30-
year ave., and 7-month model forecasts (default).

Month	Day	Max	Min	Precip	DDs Today	Day length (hr)	QA + Notes
-------	-----	-----	-----	--------	-----------	-----------------	------------

Step 12
The columns to the right show cu-
mulative degree-days and model
events for selected planting dates.

Starting 5-1		Starting 5-15		Starting 6-1		Starting 6-15	
Cumu. DDs	Model Events	Cumu. DDs	Model Events	Cumu. DDs	Model Events	Cumu. DDs	Model Events

Step 13
Compare "Model Output" to your
scheduling goals from Step 5 and
adjust start dates as needed.

Step 14
Click and drag to select "Model Output".
Copy by pressing ctrl C.
Open an Excel spreadsheet or Word document.
Paste "Model Output" by pressing ctrl V & save
for your records.

Step 15
Return to Croptime during the season to replace
long-term forecasts with actual weather data.

Please share your comments or suggestions
with nick.andrews@oregonstate.edu.