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
  - Lambsquarters
- Amaranthus retroflexus
  - Redroot Pigweed

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CROPTIME
Online degree-day models for vegetables

QUICK GUIDE
Using Croptime models to schedule vegetables & manage weeds

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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 vegetable or weed models.

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).

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

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

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

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

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.