Mountain Hazelnut Venture Tables – see Data Dictionary metData.pdf for structures

Table tblstation - created by Mukti. Lists the stations and their locations where there are MHV data loggers. (Used in stationlatlongdist.php to see if any station near any RGOB station)

Table tblmhvmetdata – created by Mukti

Data from MHV data loggers. . Used by mhvchillhoursrevised.php to calculate number of chill hours in specified bands.

Fields dateonly, mband, bvalue, myear and mmonth should be deleted as chill hours are summed according to time interval between observations into new table tblmhvchillhours.

Field giving datalogger number for each station should be added as there are some duplicate records for station-datetime (with different observations) and it is understood these are readings from different dataloggers. As the data stands there will be errors on the chill hours where this occurs.

Table tblchillhourmodel – created by Mukti to define chill hour temperature bands and values. Used for MHV data and RGOB data in calcrgobchillhours.php, mhvchillhoursrevised.php and rgobAWSchillhourscalc.php

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Table tblchillseasons. Defines the seasons, year to year from beginning November to end March. Used in calculation of chill hours by season by SQL query for both MHV data and RGOB data

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Table tblmhvchillhours

Summation of number of hours in each chill band over each 24 hour period using mhvchillhoursrevised.php. There is often a time gap in the data measurement, and the maximum time for which any temperature was considered to remain the same was 1 hour. Hence the value in field counthrs shows the number of hours for which there was data.

This is calculated data which has been stored to make it easier to review. If the summation program (mhvchillhoursrevised.php) is re-run after data has been updated, or the chill model changed, this table should be truncated before starting.

Table tblmhvseasonchillhrs – chill hours from tblmhvchillhours summed by season according to seasons defined in tblchillseasons (that is beginning of November of a year through to end of March of the following year). Done by SQL query. A season with a complete dataset of records should have 3624 hours or 3648 hours (leap year).

This is calculated data which has been stored to make it easier to review. If the summation program is re-run after data has been updated, or the demarcation of the seasons changes, or the chill model changes, this table should be truncated before starting.