

2015 Estimates for the Southern Columbia Basin

Date to Begin Vydate C-LV Chemigation Program (800 DD_{5C}, 1,440 DD_{41F}) For Suppression of Columbia Root-knot Nematode in Potato.

Calculated from average data for 2009-2014.

(Since 2011 was unusually cool, data from 2011 were not included)

Based on soil temperature at 8 in. from the Agrimet station at HAREC
from March 1 to mid-April and data loggers under potato at HAREC thereafter.

Growers can use these dates to plan when to begin Vydate chemigation applications.

Over the last three years, the estimated dates at which 1,440 DD_{41F} occurred based on temperature data from the previous five years have averaged within 3-5 days of the dates at which 1,440 DD_{41F} actually occurred that year.

The timing may be improved by beginning applications 3-5 days early if the spring has been warm and delaying applications 3-5 days if the spring has been cool.

Planting date Plan to begin Vydate program on:

March 1	June 4
March 15	June 6
April 1	June 12
April 15	June 21
May 1	July 2
May 15	July 15
June 1	July 30

Vydate injection solution should be buffered to pH<5 and applied through chemigation in ½ in water. Applications of 2.1 pts/a should be repeated every two weeks until harvest or until a total of 9 lb a.i./a (18.9 pts.) have been applied. Performance of a Vydate program is enhanced when Vydate is applied in-furrow at planting. Consider adding an in-furrow application to your Vydate programs in the future.

Contacts for questions:

Russ Ingham 541-737-5255

Phil Hamm 541-567-8321