

SOIL DEGREE DAY ACCUMULATION - RUSSET NORKOTAH, SLV RESEARCH CENTER - 2024

For root-knot nematode control, Vydate applications should begin at 800 Degree-days (DD_{5C}) or 1,440 DD_{41F} . To estimate that date, add the number of "Total DD" on the day you planted to 800 (or 1,440). Where that value occurs in the "Total DD" column estimates the date on which 800 DD_{5C} or 1,440 DD_{41F} will occur in that field.

These data were updated

Data after that date are estimated using average temperature for the previous 7 days.

Columbia Root Knot Nematode Degree-Day Calendar

Use planting date and the weather station located nearest to your field to estimate Columbia

Root Knot Nematode Degree-Day accumulated on: **7/3/2024**

800 degree-day threshold is needed to time nematicide (such as vydate C-LV) application.

[Location of weather stations: **Center-1:** Lat: 37.7067 Lon: -106.1440 ; **Center-2:** Lat: 37.8288

Lon: -106.0380 ; **La Jara:** Lat: 37.2443 Lon: -105.9722 ; **San Acacio:** Lat: 37.1417 Lon: -105.6110]

Planting Date	4/15/2024	4/16/2024	4/17/2024	4/18/2024	4/19/2024	4/20/2024	
Center-1	1086.8	1077.6	1068.1	1058.6	1048.5	1038.0	
Center-2	863.8	858.6	852.8	846.8	840.7	834.3	
La Jara	893.9	888.2	882.2	875.9	869.0	861.5	
San Acacio	832.7	827.2	822.1	816.6	810.5	803.8	
Planting Date	4/21/2024	4/22/2024	4/23/2024	4/24/2024	4/25/2024	4/26/2024	4/27/2024
Center-1	1027.5	1016.6	1005.4	993.1	980.4	967.7	956.2
Center-2	827.6	820.7	813.3	805.2	796.7	788.2	780.1
La Jara	854.3	846.5	838.5	829.9	820.6	811.7	803.1
San Acacio	797.3	790.6	782.9	774.8	766.0	757.4	750.0
Planting Date	4/28/2024	4/29/2024	4/30/2024	5/1/2024	5/2/2024	5/3/2024	5/4/2024
Center-1	946.2	936.5	926.0	914.5	902.3	889.8	877.8
Center-2	773.1	766.4	759.2	751.3	743.1	734.7	726.3
La Jara	795.0	787.7	780.1	771.2	762.5	754.0	745.6
San Acacio	743.3	738.4	733.2	726.6	719.4	711.8	704.5
Planting Date	5/5/2024	5/6/2024	5/7/2024	5/8/2024	5/9/2024	5/10/2024	5/11/2024
Center-1	866.1	855.1	844.6	834.9	824.8	815.9	811.6
Center-2	717.8	709.8	702.9	695.8	688.7	682.0	677.3
La Jara	738.0	730.3	722.5	715.8	708.5	702.3	699.4
San Acacio	697.2	690.2	683.0	676.7	670.1	664.0	659.4
Planting Date	5/12/2024	5/13/2024	5/14/2024	5/15/2024	5/16/2024	5/17/2024	5/18/2024
Center-1	807.8	803.4	796.3	788.7	780.4	770.8	759.8
Center-2	673.5	669.6	664.6	658.8	652.8	645.8	637.3
La Jara	695.7	692.1	686.2	679.4	672.6	663.8	653.6
San Acacio	655.1	651.2	646.1	640.0	633.9	627.5	619.8
Planting Date	5/19/2024	5/20/2024	5/21/2024	5/22/2024	5/23/2024	5/24/2024	5/25/2024
Center-1	747.4	734.0	720.7	708.2	696.5	684.1	671.2
Center-2	627.4	616.8	606.1	595.5	585.8	575.7	565.1
La Jara	642.6	630.2	618.7	608.3	598.7	587.9	577.1
San Acacio	610.9	600.9	591.2	581.8	572.9	563.3	553.3

(Weather data source: https://coagmet.colostate.edu/rawdata_form.php)

Projected 800 degree day date for Columbia Root Knot Nematode management

(Estimated based on average degree days for past seven days)

Planting Date	4/15/2024	4/16/2024	4/17/2024	4/18/2024	4/19/2024	4/20/2024	
Center-1	N/A	N/A	N/A	N/A	N/A	N/A	
Center-2	N/A	N/A	N/A	N/A	N/A	N/A	
La Jara	N/A	N/A	N/A	N/A	N/A	N/A	
San Acacio	N/A	N/A	N/A	N/A	N/A	7/3/2024	
Planting Date	4/21/2024	4/22/2024	4/23/2024	4/24/2024	4/25/2024	4/26/2024	4/27/2024
Center-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Center-2	N/A	N/A	N/A	7/3/2024	7/3/2024	7/4/2024	7/4/2024
La Jara	N/A	N/A	N/A	N/A	N/A	N/A	7/3/2024
San Acacio	7/3/2024	7/4/2024	7/4/2024	7/5/2024	7/5/2024	7/6/2024	7/6/2024
Planting Date	4/28/2024	4/29/2024	4/30/2024	5/1/2024	5/2/2024	5/3/2024	5/4/2024
Center-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Center-2	7/5/2024	7/5/2024	7/6/2024	7/6/2024	7/7/2024	7/7/2024	7/8/2024
La Jara	7/3/2024	7/4/2024	7/4/2024	7/5/2024	7/5/2024	7/6/2024	7/6/2024
San Acacio	7/7/2024	7/7/2024	7/7/2024	7/8/2024	7/8/2024	7/9/2024	7/9/2024
Planting Date	5/5/2024	5/6/2024	5/7/2024	5/8/2024	5/9/2024	5/10/2024	5/11/2024
Center-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Center-2	7/8/2024	7/9/2024	7/9/2024	7/10/2024	7/10/2024	7/10/2024	7/11/2024
La Jara	7/7/2024	7/7/2024	7/8/2024	7/8/2024	7/9/2024	7/9/2024	7/9/2024
San Acacio	7/9/2024	7/10/2024	7/10/2024	7/11/2024	7/11/2024	7/11/2024	7/12/2024
Planting Date	5/12/2024	5/13/2024	5/14/2024	5/15/2024	5/16/2024	5/17/2024	5/18/2024
Center-1	7/3/2024	7/3/2024	7/3/2024	7/4/2024	7/4/2024	7/5/2024	7/5/2024
Center-2	7/11/2024	7/11/2024	7/11/2024	7/12/2024	7/12/2024	7/13/2024	7/13/2024
La Jara	7/10/2024	7/10/2024	7/10/2024	7/11/2024	7/11/2024	7/12/2024	7/12/2024
San Acacio	7/12/2024	7/12/2024	7/13/2024	7/13/2024	7/13/2024	7/14/2024	7/14/2024
Planting Date	5/19/2024	5/20/2024	5/21/2024	5/22/2024	5/23/2024	5/24/2024	5/25/2024
Center-1	7/6/2024	7/7/2024	7/8/2024	7/8/2024	7/9/2024	7/10/2024	7/11/2024
Center-2	7/14/2024	7/14/2024	7/15/2024	7/16/2024	7/16/2024	7/17/2024	7/18/2024
La Jara	7/13/2024	7/14/2024	7/14/2024	7/15/2024	7/16/2024	7/16/2024	7/17/2024
San Acacio	7/15/2024	7/15/2024	7/16/2024	7/17/2024	7/17/2024	7/18/2024	7/18/2024

Degree Day accumulation for past seven days

Date	Center-1	Center-2	La Jara	San Acacio
6/26/2024	18.52	16.83	17.61	16.71
6/27/2024	17.51	16.66	15.28	16.52
6/28/2024	16.41	14.92	14.81	15.61
6/29/2024	16.81	15.12	16.56	16.26
6/30/2024	17.62	15.98	16.80	16.44
7/1/2024	17.17	16.12	15.03	15.77
7/2/2024	17.89	16.10	16.16	15.56
Average	17	16	16	16