



Mayhaw – What and When



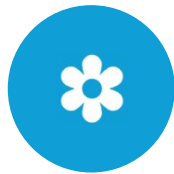
Phases



DORMANT



GREEN TIP



BLOOMING



FRUIT SET



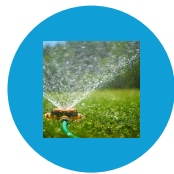
DAYS PRIOR
TO HARVEST



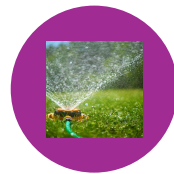
MOW



MOW



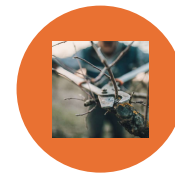
MOW/WATER



MOW/WATER



MOW



PRUNE

January

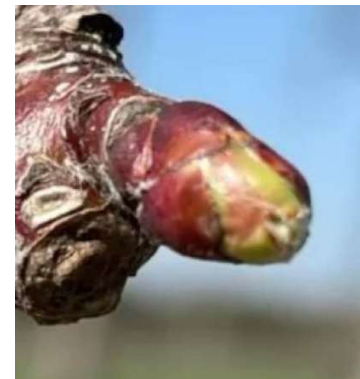
- Cut Scionwood
- Copper Fungicide such as Kocide 3000





February

- Continue to watch for green tip.
- Start Rally 40WSP spraying at first green tip.



Rally 40WSP

Apple and Mayhaw

Diseases	Rally 40WSP oz/acre	Use Directions	Restrictions
powdery mildew (<i>Podosphaera</i> spp.)	5 - 10 (2 - 4 oz ai)	Begin application at tight cluster and continue through the second cover spray. Additional sprays may be needed on susceptible varieties or under heavy disease pressure. Use high label rate if powdery mildew was present in previous years.	• Preharvest Interval: Do not apply within 14 days of harvest. • Do not apply more than a total of 5 lb of Rally 40WSP (2 lb ai) per acre per year.
rust (<i>Gymnosporangium</i> spp.)	5 - 8 (2 - 3.2 oz ai)	Begin applications at pink stage and continue through the second cover spray.	
scab - prebloom (<i>Venturia</i> spp.)		Begin applications at green tip or when environmental conditions become favorable for primary scab development. Apply Rally 40WSP in a tank mixture with a protectant fungicide registered for use on apples on a 7- to 10-day schedule.	
scab - bloom		Apply Rally 40WSP in a tank mixture with a protectant fungicide registered for use on apple at the specified rate for improved fruit scab and summer disease control.	
scab - post infection	8 (3.2 oz ai)	Rally 40WSP provides 96-hour post-infection control or curative activity. Apply as soon as possible after infection period. Follow with a standard preventive spray schedule.	

Determination of Use Rates on an Acre Basis

The amount of Rally 40WSP required per acre varies with tree size and the volume of fruit and foliage to be treated. Use the following summary table as additional guidance for the determination of appropriate per acre use rates for Rally 40WSP:

Tree Height (ft)	Rally 40WSP (oz/acre)	
	Apple and Mayhaw ¹	Stone Fruits
≤10	2.5 - 5	2.5 - 4
15	3.75 - 6	4 - 6
≥20	5 - 10	6

¹For apple scab control, always tank mix Rally 40WSP with a multi-site product containing the AI mancozeb.

Concentrate Spray Applications

Use Rally 40WSP at the specified use rate per acre in either dilute or concentrate sprays. Use the following formula to determine the equivalent amount of product per acre in 2X, 3X, etc., spray solutions:

$$\frac{\text{Oz of Rally 40WSP per acre} \times 100}{\text{Spray volume per acre (gallons)}} = \text{Oz of Rally 40WSP per 100 gallons}$$

Example: An apple orchard consisting of apple trees 18 feet in height will require 5 oz of Rally 40WSP for adequate apple scab control. Application equipment has been calibrated to apply 80 gallons spray per acre, therefore:

$$\frac{5 \text{ oz of Rally 40WSP per acre} \times 100}{80 \text{ gallons per acre}} = 6.25 \text{ oz of Rally 40WSP per 100 gallons}$$

Dilute, Thorough Coverage Application

Dilute thorough coverage applications are based upon the amount of spray solution required to thoroughly wet trees until spray run-off.

The following specific use directions for apple and mayhaw utilizes a 400 gallon per acre dilute basis and the specific use directions for stone fruits utilizes a 250 gallon per acre dilute basis.

Read the Label!



How to calculate chemicals (example)



1 Acre = 43,560 Sq ft



50'

150'

$$50 \times 150 = 7500 \text{ sq ft}$$

$$7500 / 43,560 = .17 \text{ or } 17\%$$

For Rally it calls for 5 to 8 oz per acre.

If we're spraying 7,500 sq ft, we'd spray 17% of that.

If we shoot for the top at 8oz per acre, that would be 1.36 oz

The amount of water is determined by how much you need to cover the plant surface and spraying method. Some chemicals require or recommend certain volumes of water.



March

- Spray Rally every 7 to 10 days to control rust
- Prep mowing and harvesting equipment
- Check Freezers/Coolers
- Check Cleaner



April

Add insecticide once fruit is set
Spray every 7-10 days

Usually Start Mowing

CROP	TARGET PESTS	RATE		REMARKS
		lb. a.i./A	fl. oz./A	
POME FRUITS CROP GROUP Including: Apple Crabapple Loquat Mayhaw Oriental Pear Pear Quince	Apple Aphid Apple Maggot (Adult) Cherry Fruit Fly spp. (Adult) Codling Moth Green Fruitworm Japanese Beetle Leafhopper spp. Leafroller spp. Lesser Appleworm Omnivorous leafroller Orange Tortrix Oriental Fruit Moth Pear Psylla ¹ Pear Sawfly Periodical Cicada Plant Bug spp. Plum Curculio Rosy Apple Aphid San Jose Scale (fruit infestations only) Spirea Aphid ¹ Stink Bug spp. Tent Caterpillar spp. Tentiform Leaf Miner spp. Tree Borer spp. Tufted Apple Budworm Webworm spp.	0.02-0.04	2.56-5.12	Ground application: Apply in sufficient spray volume to obtain full coverage of the foliage target area. Air application: Apply in a minimum of 5 gal per acre or sufficient spray volume to obtain full coverage of the foliage or target area. Make applications when pests appear or repeat applications, as necessary, usually at intervals of 5 or more days. Apply in sufficient volume to ensure sufficient coverage of foliage. ¹ Suppression only.
- Do not apply within 21 days of harvest. - Do not apply more than 0.2 lb. a.i. (1.6 pts.) per acre per year. - Do not apply more than 0.16 lb. a.i. (1.28 pts.) per acre per year post bloom.				

May

- Check PHI (Pre Harvest Interval)
 - Rally – 14 Days
 - Silencer – 21 Days
- Continue to spray till 21 days prior to harvest.
- Start Harvesting
- Cleaning
- Package
- Store
- Sell

Spray Log

	A	B	C	D	E	F	G	H	I	J	K	L	M
Year	▼ Date	▼ Variety/Blo	▼ Growth Stage	▼ Pests	▼ Temp	▼ Win	▼ Chemicals Applied	▼ Spray Rate	▼ Rate Per	▼ Rease	▼ Applicator	▼ Comments	
2022	Friday, March 4, 2022	Arcadia	early blooms and buds	rust		none	Rally	4oz	acre		Michael Book	20% early blooms on early trees, maxines still budded	
2022	Wednesday, March 16, 2022	Arcadia	blooms and buds	rust		none	Rally	4oz	acre		Michael Book	20oz in 60 gallons of water over 5 acres	
2022	Friday, March 25, 2022	Arcadia	blooms and pod berries	rust		none	Rally	4.8 oz	acre		Michael Book	24oz in 60 gallons of water over 5 acres	
2022	Saturday, April 2, 2022	Arcadia	pods/fruit	rust		none	Rally	4oz	acre		Michael Book	20oz in 60 gallons of water over 5 acres	
2022	Saturday, April 2, 2022	Arcadia	Fruit	insects		none	Lambda-Cy	4oz	acre		Michael Book	20oz in 60 gallons of water over 5 acres	
2022	Saturday, April 2, 2022	Arcadia					Roundup						
2022	Friday, April 10, 2026	Arcadia	Fruit	rust		none	Rally	4oz	acre		Michael Book	20oz in 60 gallons of water over 5 acres	
2022	Friday, April 10, 2026	Arcadia	Fruit	insects		none	Lambda-Cy	4oz	acre		Michael Book	20oz in 60 gallons of water over 5 acres	



June

- Finish harvest



July, August, September

- Mow
- Mow again
- Mow again, irrigate, work on mower
- Mow again, irrigate
- Mow again, irrigate
- Mow again, irrigate, work on mower
- Mow again, irrigate



October, November, December

- Prune
- Plant any new trees



Questions



2026 LMA Block Grant Application



Agricultural Marketing Service

U.S. DEPARTMENT OF AGRICULTURE

SPECIALTY CROP BLOCK GRANT PROGRAM

Developing Data-Driven Guidance for Weather-Related Risk Management in Louisiana Mayhaw Orchards

- Time Period - 2/1/2027 – 9/29/2029
- Budget - \$57,900
- 3 Objectives
 - Deploy and commission five fixed weather monitoring stations at strategically selected Mayhaw orchards across northeast, northwest, central, southeast, and southwest Louisiana within the first six months of the project period.
 - Collect and maintain a centralized dataset integrating continuous environmental monitoring data with standardized grower-reported orchard observations from all participating Mayhaw orchards throughout the project period.
 - Document and analyze the impacts of significant frost or freeze events on participating Mayhaw orchards by correlating environmental conditions with observed effects on bloom viability and fruit development throughout the project period.

Combine Two Datasets

Detailed
environmental
measurements



User Observational
Data



Vinit Sehgal, Ph.D.

Assistant Professor | Soil Physics and Hydrology

School of Plant, Environmental & Soil Sciences



Current Locations



Topics ▾ Services ▾ Publications ▾ News & Events ▾ About ▾ Our Offices ▾

LSU
College of Agriculture

» Departments » Plant, Environmental and Soil Sciences » LaCADIAN – Louisiana Climate & Digital Ag Network

Dashboard Section:
☒ Data Explorer ☐ Drought Monitor

☒  Show Live Site Map

Select Site:
Ben Hur ▾

Select File Type:
Daily ▾

Unit System:
☒ Metric ☐ Imperial

Date Range:
2026-09-20 to 2026-09-25

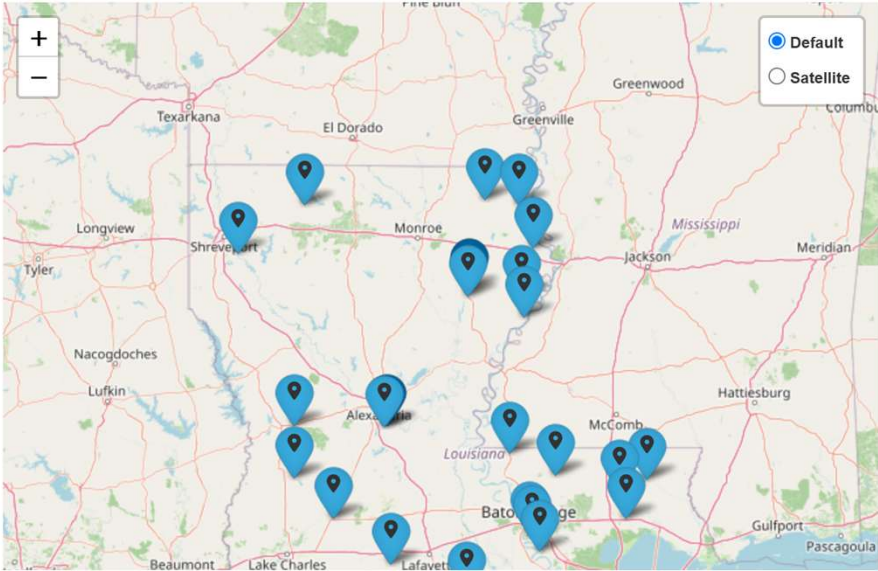
Primary Y-axis Variable
total precipitation(mm) ▾

Live Map View:
☒ Station View ☐ Variable View

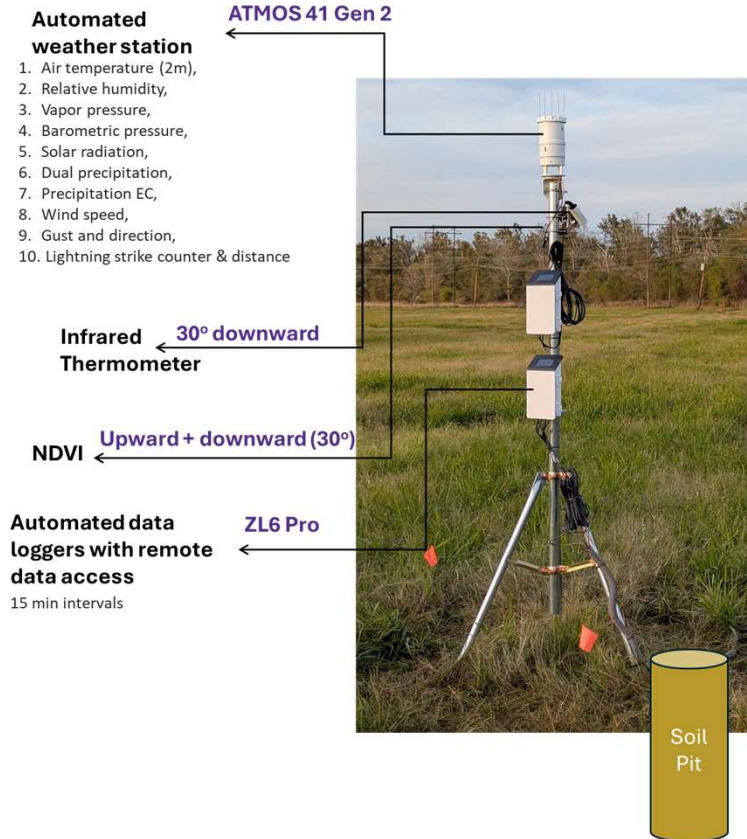
+

–

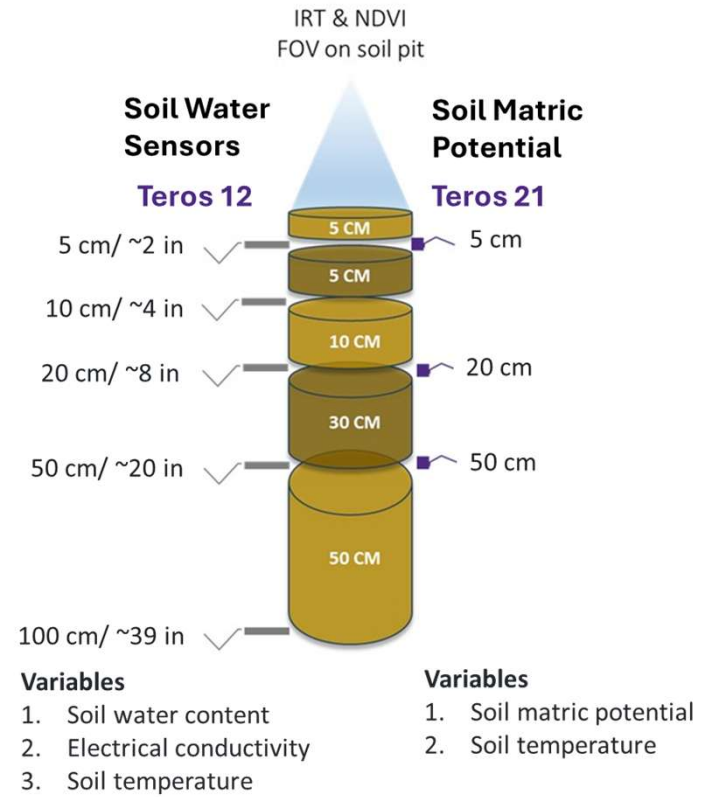
☒ Default
☐ Satellite



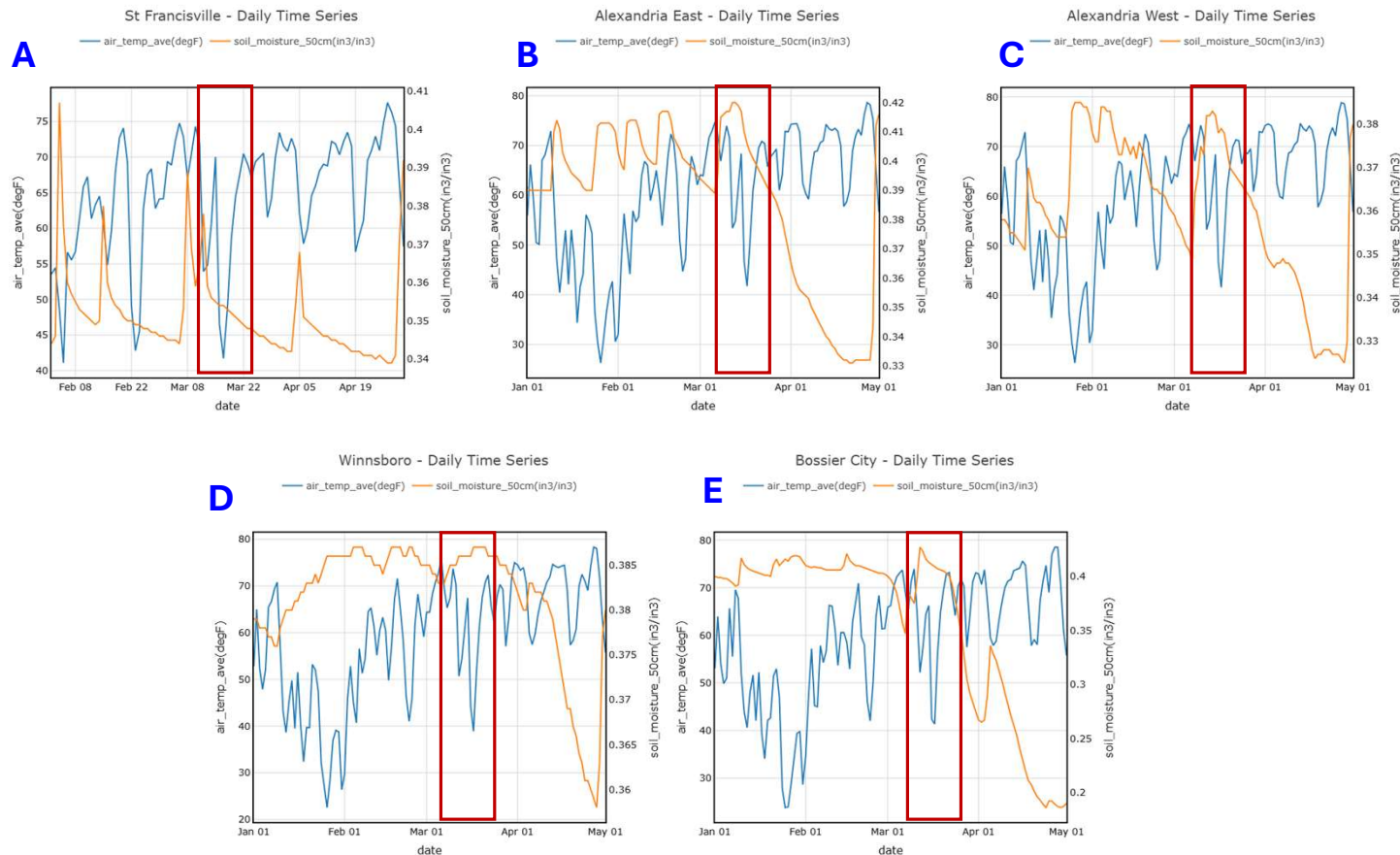
Meteorology & Land Surface Sensors



Soil Sensors



Weather Conditions at Select Louisiana Locations (1 Jan-1 May 2026)



- Consistent drop in temperature in Mid-March across all sites



All LaCADIAN sites

Data from: <https://www.lsuagcenter.com/lacadian>

Observation Data – MS Forms

- Users will make observations on scheduled intervals and outstanding events and provide pictures and observational data.

Mayhaw Fruit Growth Phase & Development Data Collection

Thank you for participating in the Louisiana Mayhaw Market data collection exercise. Your weekly input helps us monitor the growth and development of Mayhaw fruit across the region. Please complete this form each week, providing accurate information about your orchard's current bud, bloom, and fruit stages. Visit www.mayhaw.org for more information.

1. Participant Name *

Enter your answer

2. City *

Enter your answer

3. State *

Mayhaw Fruit Growth Phase & Development Data Collection

Thank you for participating in the Louisiana Mayhaw Market data collection exercise. Your weekly input helps us monitor the growth and development of Mayhaw fruit across the region. Please complete this form each week, providing accurate information about your orchard's current bud, bloom, and fruit stages. Visit www.mayhaw.org for more information.

When you submit this form, it will not automatically collect your details like name and email address unless you provide it yourself.

* Required

1. Participant Name *

Enter your answer

2. City *

Enter your answer



ms.cloud.microsoft



Details

- Responsibilities will include providing update reports and publishing the findings.
- Collaboration with Dr. Polozola and LSU Ag
- Anonymized Data collection data provided to all LMA members.
- Final Summary published.
- Will have the ability to submit for funds to extend the study past 3 years with additional block grant.
- The weather station locations are yet to be selected by the board.

You can participate!

- Everyone who wants to can sign up to receive the form to submit data from their orchard to be brought into the data set.

If you'd like to participate, send an email to
Michael@mayhawmarket.com

Include – Subject Line “LMA Data Survey”

- name, address, cell phone number and the address or coordinates for your orchard location.