

FIRMAN



Precision Pollination Instructions

General

- Smaller sprayers capable of spraying at 15 gpa will drive every row.
- Standard size sprayers will be calibrated to spray at 30 gpa and will spray every other center, catching the other centers on the second application.
- Initiate these procedures only when prepared to spray. Maximum spray window in 90 minutes

Supplies Required

- Firman Pollen
- Precision Pollination Tank Mix
- (3) 5 Gallon Buckets
- 2 quart wide mouth plastic or glass container with tight fitting lid
- Paint Mixing Paddle
- Cordless Drill

Technique

- Use the chart to determine material requirements.
- Fill Sprayer with correct amount of water.
- Place Precision Pollination Tank Mix into 5 gallon bucket(s). Add 2 gallons water and stir (with paint mixer) until mix is completely dissolved. Repeats for all necessary buckets.
- Place 2 cups of dissolved mix and pollen into the wide mouth container. Mix well by sealing container and shaking.
- Add this mixture to remaining 2 gallons in bucket. Stir well with paint mixer. Repeat for remaining buckets.
- Pour 5 gallon buckets into sprayer. The sprayer's agitation should be on at this time. Pouring the mixture through a fine mesh screen or colander can help remove/smash any larger balls of pollen that form during mixing.
- Spray immediately within the 90 minute window.



Acres Covered	Firman Pollen (grams)	Water (gallons)	Precision Pollination Mix (scoops)	Number of 5 Gallon Mixing Buckets
1	15	15	1	1
2	30	30	2	
3	45	45	3	2
4	60	60	4	
5	75	75	5	
6	90	90	6	3
7	105	105	7	
8	120	120	8	
9	135	135	9	

Additional Information

- Table is based on 15 gram/acre/application rate of pollen use. If applying at a different rate, calculate amounts accordingly.
- 1 scoop mix= 3.1lb=1.4kg
- 2 applications are recommended



Questions? Don't hesitate to call us:

Firman Pollen

800-322-8852 | FirmanPollen.com

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FIRMAN



Pollen
Co., Inc.

Pollen Application

► Handling Tips

When you receive your pollen, immediately remove it from the box and place it in the FREEZER.

On the day of application, remove the pollen from the freezer and place in the shipping box or cool bag with NO ice packs. This will allow the pollen to come up to ambient temperature.

► Application Timing

Proper application of supplemental pollen is critical in achieving quantifiable results. Research has always shown that splitting pollen application into multiple applications produces better results. The timing of applications is the most critical step in the use of supplemental pollen. Pollen application is always controlled by bloom stage and weather.

► First Application

First application should occur when your targeted variety is at 40% bloom. At this time the trees of the targeted variety will appear quite white, 4 flowers out of every 10 will be open. DO NOT judge bloom stage by the outside rows. Walk the orchard and check for consistency. Application should start when the average tree of the targeted variety is at 40% bloom. Applying pollen too early will minimize the number of flowers that will be fertilized, which will minimize the return on money spent.

► Additional Applications

Additional applications will be determined by how quickly or slowly your bloom progresses. The second application should be applied at 60% bloom. If a third application is used, it should be applied at 80% bloom. The weather will play the largest role in determining the speed at which the bloom progresses and the timing of the second and third applications.

► Weather Considerations

Weather considerations control application strategies, plan accordingly.

► Hot Weather

In hot weather, bloom may progress very rapidly. Applications may occur on consecutive days or may require multiple applications on 1 day. It is imperative that a close watch on bloom is maintained.

► Cool Weather

Individual applications may occur as much as 3 to 5 days apart. Judging bloom stage becomes more difficult because each individual tree may have a wide variance in bloom stage.

► Wet Weather

Pollen can't be applied in the rain or fog. Applications must be made whenever possible. In order to apply pollen at least 2 to 3 hours of bee flight and dry weather are needed. Applying pollen during the dry periods is imperative for setting a full crop.



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