

FIRMAN



Pollen™

Application

Serving Agriculture Since 1933

Scumby Applicator Instructions

- ▶ Scumby Pollen Applicator can be mounted either on the front or rear racks using U-Bolts or Ratchet Straps.
- ▶ 1HP models use 2-stroke oil fuel mixture; 50:1 ratio.
- ▶ 5HP models **DO NOT** use 2-stroke engine oil
- ▶ Electric Auger Motor can be wired in 3 ways:
 - Alligator clip pigtail directly to battery
 - Auxiliary pigtail to auxiliary port (if your ATV is equipped with a port)
 - Eyelet wire connectors directly to battery
 Double check polarity to ensure auger is turning the correct direction.
- ▶ Auger motor is calibrated to use standard 12-volt system. If it receives more voltage it turns faster and ground speed may have to be slightly increased to compensate.
- ▶ Firman Pollen™ highly recommends using Scumby Stack Attachments to evenly distribute pollen into tree canopy.
- ▶ Use calibration chart inside hopper lid to determine ground speed and auger settings.
- ▶ Non-viable calibration pollen is included. Firman Pollen™ highly recommends taking the time to drive 1 acre to ensure that everything is operating correctly and pollen application goes smoothly.
- ▶ Scumby Pollen Applicator are specifically calibrated to use 1/2 strength Firman Pollen. Use of other carriers leads to build up on the auger causing mechanical failure.
- ▶ When applying to orchards that have multiple varieties planted in rows, it may be necessary to use 1/4 strength if pollen is to be applied to only one variety.
- ▶ Scumby Pollen Applicator applies Firman Pollen™ at a rate of 60g/Acre/Pass.
- ▶ Blower should run at full throttle for maximum air movement.
- ▶ Auger on/off switch may be used to prevent pollen dispersion at the end of rows.
- ▶ Storage Tips
 - Do not store with unused pollen in hopper. Pollen mixture will eventually harden and obstruct auger. Remove any unused material with shop vac.
 - Do not store long term with ethanol gasoline in tank. Run until empty or add gas preservative.



1 HP SCUMBY



5 HP SCUMBY



Questions? Don't hesitate to call us:

Firman Pollen™

800-322-8852 | FirmanPollen.com

301 N 1st Avenue | Yakima, WA 98902 | 509-452-8063 | Fax: 509-453-6838



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▶ 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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