

APPLICATORS

FOR PIONEER® BRAND FORAGE ADDITIVES



Pioneer offers crop-specific forage additives in both water-soluble and granular formulations. To accommodate these products, a variety of application technologies are available to match both the formulation and the application rate to your operation.

Pioneer's application technology has been designed to work with all major brands of forage harvesting equipment.

Packaging

Our product contains highly concentrated Pioneer® brand forage additive and eliminates the need for large volumes of water.

Product can be purchased in any of the three sizes. The smallest bottle treats 50 tons, the next size treats 250 tons and our largest package treats 500 tons. You can mix and match the sizes to meet the total tons being treated.

Unused product may be put into the mixing bottles and refrigerated overnight to protect live bacteria, ensuring efficacy for up to five days.

For further storage, product may be frozen for up to a year.



Advantages of tank-style applicators and smaller packaging:

- **MIXING:** More uniform mixing with the mixing jug and tank will alleviate the clumping that occurred in the bottom of bottles.
- **AGITATION:** The airline into the tank will keep product suspended for more uniform application.
- **STORAGE:** Less free space in the container will result in easier storage and longer product shelf life.

Appli-Pro® System Intell Applicator

The Appli-Pro® System Intell Applicator is a patented system designed and calibrated specifically for Pioneer® brand forage additives.

The Appli-Pro® System Intell Applicator is provided at no charge to the customer once the Program Agreement is completed. The applicator is not available for purchase – only available to qualifying Pioneer customers through the program.

1) The first step is to request the Program Agreement.

2) Once the signed Program Agreement is returned, the equipment will ship.

2,500 ton annual minimum volume purchase required.



Advantages of the Appli-Pro System Intell Applicator:

- iPad® interfaced that allows product traceability and emailing of job records. App and software updates will be handled through a wifi signal.
- Automatic calibration during priming.
- Can be ordered with a 5 gallon or 6 liter tank.
- More accurate, more precise application with the unique injection system.
- Less waste, improved quality control because you can remove and refrigerate the mixed inoculant at the end of the day.
- Unique back-flush system reduces waste, makes system cleaning easy.
- Yield monitor integration with John Deere 7000 and 8000 Series, as well as Claas and New Holland SPFH's, in which application rate is based off of crop flow in Tons Per Hour. Integration capabilities with Krone SPFH's will be coming soon.



Appli-Pro® C500 Applicator

The Appli-Pro C500 is designed to be a perfect fit for a wide range of harvesting operations.

Advantages of the Appli-Pro C500 Applicator:

- Super low volume product is applied at 10 milliliters per ton.
- C500 can apply at harvesting rates from 10 to 400 tons per hour.
- All major components in the C500 have been derived from Pioneer's original field proven forage additive applicator, the Appli-Pro SLV.
- Air agitation system standard to keep product mixed well in the tank.
- Two tank options, 6 Liter (500 ton capacity) 5 gallon (2000 ton capacity).
- Integration software compatible with John Deere Greenstar system allows variable rate application, works with properly equipped 7000, 8000, and 9000 series John Deere SPFH's.
- Rinse kit for easy daily pumping system flush is now standard.
- Single spray tip allows precise product placement in a wide variety of harvest equipment.



Appli-Pro® EZ Applicator

The Appli-Pro EZ is designed for customers who desire a simple, easy to calibrate, easy to operate forage inoculant applicator.

Advantages of the Appli-Pro EZ Applicator:

- Application range from 30 to 300 tons per hour.
- One tank load will treat 500 tons of forage.
- Self-contained rinse system for quick pump system flushing at end of day.
- Door contains complete pumping mechanism and can be removed for easy service.
- Visible flow meter allows for quick adjustment of pump output.
- Is equipped with end-of-row capability for SPFH's.
- Single spray tip design allows for universal mounting options.



Appli-Pro® System Basic Applicator Standard Tank Mix Application System

The Appli-Pro® System Basic Applicator comes in 25G and 55G versions, allowing versatility and the ability to be used for many different applications. Whether applying dry hay additive with a baler or mower/conditioner, silage additive on the chopper

or at the silo/bunker, or high-moisture corn additive applied at the grinder/roller, this system offers simple, accurate and effective results.

Advantages of the Appli-Pro Basic Application System:

- Appli-Pro® System Basic 25G treats up to 200 tons with 25 gallons of water. Ideal for product application on round balers.
- Appli-Pro® System Basic 55G treats up to 440 tons with 55 gallons of water. Ideal for product application on large square balers.
- Allows higher water inclusion rates to allow for variable harvest moistures. Allows product application down to 16 oz. per ton.
- Simple design with reliable components:
 - The system has a strainer in the feed line, three individual strainers in each nozzle to reduce nozzle blockage and ensure uniform application, and
- all nozzles have stainless steel insert tips.
 - 12 Volt SHURflo® Pump.
 - In-cab control unit with on/off switch, pressure gauge and volume control.
- Offered with three polyethylene tank sizes: 12, 25 and 55 gallon.
- Well-suited for small operations.



Appli-Pro® System LTS Applicator

The Appli-Pro® System LTS (Low Tonnage Stationary) Applicator has been designed, built and tested specifically for applying Pioneer® brand forage additives. The Appli-Pro System LTS applicator is stationary and can be placed next to a silo and will apply forage additive as the crop is unloaded. This application system is designed to apply water soluble forage additives from a rate of .25 tons per minute to 1.10 tons per minute. This applicator requires voltage supplied from a 12 volt DC

system, which can be supplied by most farm tractors. Water from a well is required to carry the metered inoculant to the single spray tip. The Appli-Pro System LTS applicator has a product container that will hold enough forage additive to treat 50 tons of forage and can be easily removed for refrigeration of unused product.



Advantages of the Appli-Pro System LTS Applicator:

- Stationary unit that connects to farm water source for easy application.
- Capable of applying at low rates of .25 to 1.10 tons per minute.
- Single spray tip can be mounted directly onto the silage blower. Perfect for unloading at the silo or even a bagger, with appropriate water source.
- Product container holds enough product to treat 50 tons.
- Can be set up and applying in 15 minutes. Requires minimal maintenance.
- Built-in low voltage detection system.
- Equipped with two operating locations for ease of operation.

Gandy® Applicator

Pioneer offers the Gandy® applicator for granular forage additive application. This unit is available in a 2-4 outlet configuration, depending on capacity needs. Gandy applicators require a 12V power supply and have a 45 lb. hopper capacity.

Accurate Metering

Precise low volume distribution of granular forage additive is important to derive the maximum benefit from application. The Gandy forage additive applicator delivers the essential accuracy you need through a precision metering system. The precision cam gauge mounted on the stainless steel slide regulates the openings in the bottom to apply the rate recommended for your individual operation. With cam set to the desired position, shutter slide is opened so cam rests against stop. The material then flows through these precisely regulated openings at a constant rate.

Adaptable to a Variety of Equipment Types and Mounting Locations

Mounting brackets included are a U frame for attaching to vertical surfaces and an angle bracket for attaching to horizontal surfaces of feed-handling equipment. These brackets also can be adapted to suit your specialized mounting requirements. Use in conjunction with silage blowers, choppers, balers or where best suited for the inoculant product being applied.

Pioneer offers most, but not all, forage additive products in a granular formulation. Be sure to check product formulation availability.



Gilmour® Applicator

The Gilmour® applicator is a small handheld hose end sprayer that allows you to use a Pioneer® brand Inoculant Completion-Pac bottle (treats 50 tons). Calibration based on available water pressure is very simple using the metered dial on top of the sprayer. After mixing is complete, pour contents of the inoculant

completion pack bottle into the Gilmour bottle, attach a hose and begin application. The Gilmour is a simple and effective way to treat small silage piles and achieve an application rate of 10 ml/ton just like larger applicators.



Advantages of the Gilmour Handheld Hose End Application System:

- Durable, chemical-resistant, rustproof polymer bottle with die cast zinc nozzle handle and brass mixing head.
- Set metering dial for required dilution; inoculant and water will automatically be mixed at set rate.
- Operates on water pressures ranging from 40 psi to 60 psi.
- Metering dial selects from 16 mixing ratios.
- Built-in antisiphon device prevents back flow.
- Instant on/off handle for easy use.

