

Chemigation Injection Systems

The safe, effective, economical way to treat your crops.



Agri-Inject, Inc.
The Leaders in Fluid Application Technologies



Complete

Turn-key unit comes ready to install and operate.

Versatile

Handles a wide range of chemicals through most irrigation systems.

Accurate

Uniform application of precisely measured amounts.

Effective

Achieve desired results with less chemicals.

Economical

Save on costs of chemicals and application.

Quality Engineering

Built for a long life of worry-free operation.

Ease of Operation

Ready to install and operate. Just set it and go.

Safe

Reduces chemical handling and drift.



The total chemigation complete system.

Versatile

- Handles fertilizers, insecticides, herbicides and more.
- Works with virtually all irrigation systems.
- Choose from a variety of tank sizes to fit your operations.
- Range of pump sizes and options lets you customize your system.
- Complete unit can be easily moved from field to field.

Safe

- Filling, mixing, and calibration are limited, so there is less operation exposure.
- Chemicals are mixed and applied with thousands of gallons of water making concentrates less hazardous for operator and wildlife.
- Operator need not be present during application, so less risk of exposure.
- Controlled application reduces chemical drift and environmental contamination.

Lower costs. Higher yields. Timely applications. Time savings. That's the winning formula chemigation delivers to growers across the nation and around the world.

At **Agri-Inject**, our primary focus is on liquid application of fertilizers and other chemicals through existing irrigation systems, chemigation.

Chemigation produces greater yields through timely prescription application and you apply the right product, in the right dosage at the right time. That can mean cleaner fields, healthier plants and bin-busting yields.

Chemigation reduced production inputs by reducing chemical usage and application expenses. Many chemicals are more effective with chemigation, so you use less. And by turning your irrigation system into a chemical applicator, you can

eliminate the need for conventional aerial and ground rig sprayers.

With a Chemigation Injection System from **Agri-Inject** you turn your sprinkler irrigation system into the most effective, economical farm chemical applicator around today.

Each **Agri-Inject** system comes as a complete unit, ready to install and operate. And it is so versatile. Our basic system can be used to apply a broad spectrum of liquid fertilizer and chemical products to a wide array of crops and will adapt to any irrigation system.

Agri-Inject has been involved in research and on-farm testing of quality chemigation equipment for over a quarter-of-a-century. Each system includes quality parts made of space-age materials to resist corrosion and the elements.

Tank Sizes To Meet Your Needs



It All Starts Here!

Where the fluid is injected into your irrigation pipe. Don't take our word on it! The proof is in the pudding, or in this case in the pipe as these photos show. These photos were taken during Colorado State University testing. You can see that the chemical is being distributed evenly by the Mister Mist'r® injection check valve as compared to the poor dispersion through the conventional injection valve.



Mister Mist'r®

So you decide, once your irrigation system takes over, which injection valve would you want working for you?



Mister Mist'r® U.S. Patent No. RE37,732
Mini Mist'r U.S. Patent No. 6230982

Every System Comes Complete

Every system, from our standard chemigation system to our large capacity systems, comes complete. Each system is designed for easy installation, quick start up, and ease of operation.

- Includes base, tank, pump, and injection assembly.
- All the hoses, valves and fittings you need to get up and running quickly and easily.
- The patented Mister Mist'r® injection valve with its unique four-way release delivers accurate amounts of concentrate right into the middle of the water supply pipe. Mister Mist'r® is also a check valve preventing unwanted leakage or backflow contamination.

package in one

Our Standard Chemigation System tank capacities are 70, 110, and 200 gallons (265, 416, and 757 liters). Our Large Capacity System tank capacities are 300, 400, 500, and 600 gallons (1,136; 1,514; 1,893; and 2,271 liters).



- Versatile bleeder/needle valve adds even more convenience, control and safety to injection process.

Agri-Injects' quality starts with our patented Mister Mistr'r® injection check valve, and continues throughout the entire system. Each system has been designed for ease of operation and safe, effective, economical application.



Sturdy Construction

All components; tanks, bases, pumps and plumbing are constructed of stainless steel or space-age materials that stand up to corrosive chemicals, ultra-violet rays from the sun and the effects of weather.

On/Off Features

Electrical switches offer a variety of hookup options. Short circuit sensor, surge protection and automatic resettable breakers protect your investment.



Easy Maintenance

Agri-Inject Systems are engineered for easy maintenance. Accessible fittings, right-angle check valves, handy oil plug. Every detail is designed for ease of maintenance. Easy-to-clean filter assembly maintains clean flow.

Solid Foundation

Sturdy base supports tank, pump and plumbing. Provides stability for operation and strength for transportation.

Adjustable on the Go

All pumps are easy to adjust, even when the system is operating. Easy-to-read micrometer dial for precise injection rate setting.



The Heart of the System

Milton Roy diaphragm metering pumps deliver the accuracy that makes chemigation so effective.

- A full line of quality mRoy pumps, including a line of Series G pumps and the new economical Series D pumps, give you a wide choice of pumping options.
- With few moving parts, all pumps are designed for reliable operation with a minimum of maintenance.
- **Agri-Inject** is a world-wide distributor and authorize service center for Milton Roy agricultural pumps.

Accurate

- Injection rate can be closely regulated for prescription application.
- Irrigation system targets application area.
- Single pass application avoids overlaps or skips.

Effective

- Many fertilizers and chemicals have proven to be more effective when applied through chemigation.
- Increased effectiveness means you get the job done with less concentrate.

Economical

- Chemical costs are reduced because you use less.
- Application costs are lower when irrigation system replaces aerial or ground sprayers.
- System practically runs itself, saving you time and labor.
- Savings compounds with each application, so system pays for itself.

Ease of Operation

- Comes as a complete unit. No need for additional parts.
- Easy to install. Attach the injection valve, plug in the pump, and you're ready to go.
- Hands-free operation. Start the cycle and be on your way.
- No need to shut down to adjust flow rate.

Large Capacity Chemigation Systems

Complete large volume systems to apply solutions and slurries through your irrigation system.



Containment Unit

Our 60-gallon and 90-gallon unit comes completely encased in a containment jacket for the grower who wants to retain any chemical that might be accidentally spilled when the tank is being filled. The system can be mounted on a trailer for ease of mobility.

Big Chemigation Systems for Your Big Jobs

Everything about our Large Capacity Chemigation Systems is big and tough.

They are designed to pump large volumes to cover broad areas. They are engineered to handle heavy slurries of organic products, as well as fertilizers and other chemicals. Each system is built of sturdy materials to withstand the rigors of the big jobs and keep on working, year after year.

Our Large Capacity Chemigation Systems are built with the same careful attention to detail and quality that makes every piece of **Agri-Inject** equipment. The same quality engineering and construction that gives you accurate, reliable performance saves you time, effort and money.

■ Tank capacities of 300, 400, 500, and 600 gallons (1,136; 1,514; 1,893; and 2,271 liters) let you choose the large capacity system that best meets your requirements. Larger tanks mean less monitoring and fewer fills.

■ Dependable Milton Roy pumps to meet your farming operation needs ranging from 28 to 310 gallons (106 to

1,173 liters) per hour are especially suited to handle and move large volumes and heavy materials. No other metering pump handles slurry as well as the mRoy Series G.

■ Mixing assembly keeps chemicals mixed and non-soluble products in suspension to provide complete, consistent application.

■ Tanks, pumps, plumbing, and base are made to last. Built-in, easy-to-clean strainer assembly protects pump and lines. Built for years of dependable service.

■ Solid base keeps everything out of the muck and gives the complete unit a solid foundation. All components are arranged for easy maintenance.

■ Big, accessible tank loading port makes filling safe and easy. Helps reduce labor and risk of spillage.

■ Domed top keeps rain out. V-shaped tank bottom promotes complete product use and easy drainage for quick clean-up.

■ Large Capacity System tanks are also adaptable for use as mixing stations.

Look to the Leader for Chemigation Success

Chemigation is and always has been **Agri-Injects'** sole focus.

Through the years, **Agri-Inject, Inc.** has established itself as the expert in the chemigation industry.

Look to Agri-Inject for:

■ Solid advice on how chemigation works and benefits it can bring to your operation.

■ Complete, easy-to-install injection systems so you can begin enjoying the advantages of chemigation quickly and easily.

■ Top quality equipment you can count on for low maintenance and worry-free performance.

■ Continuing support as you put the chemigation advantage to work in your fields.

Our goal is to help you succeed

"To enhance production through timely, precision application of chemicals and to reduce production costs by saving on both chemical and application costs."

Agri-Inject strives to make the use of chemigation technology as easy as possible for our customers. That includes providing a level of customer service and a warranty program on every piece of equipment we sell. When you're looking for chemigation expertise, experience and equipment, look to the leader - **Agri-Inject, Inc.**



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