

## Here's what I need my Agri-Inject system to do...

We want to ensure that the Agri-Inject fluid injection system we configure for you does what you need it to do. Please take a few moments to answer these questions. The information you provide will streamline the process of designing the best Agri-Inject system for your specific application. If you don't know all the answers, no worries. Answer what you can—and we'll work with you to figure out the rest! Thanks for your interest in Agri-Inject fluid injection systems.

### CONTACT INFORMATION

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_ EMAIL \_\_\_\_\_

### SITE DATA

#### 1 CROP/PLANT TYPE *Indicate the type of crop or plants on which you will be applying.*

- Row crop (corn, soybeans, etc.)     Alfalfa/hay     Golf course turf     Specialty crop  
 Potatoes     Vegetable     Sports field turf     Other  
 Wheat/small grains     Fruit     Commercial/residential turf

#### 2 AREA *Indicate the size range of the area you want to treat in a single application.*

- Smallest area \_\_\_\_\_  acres     hectares     square feet     square meters  
 Largest area \_\_\_\_\_  acres     hectares     square feet     square meters

#### 3 IRRIGATION SYSTEM TYPE *What type of irrigation system will your Agri-Inject system be connected to?*

- Center pivot     Solid set     Greenhouse     Residential/commercial system  
 Linear pivot     Drip system     Golf course

#### 4 IRRIGATION SYSTEM PRESSURE *Indicate the maximum pressure in the irrigation pipeline at the point of injection.*

- Max. Pipeline Pressure \_\_\_\_\_  PSI     Bar     Pascal

#### 5 IRRIGATION SYSTEM CYCLE TIME *What are the shortest/longest irrigation cycle times on the area to be treated?*

- Shortest cycle: \_\_\_\_\_ hours    Longest cycle: \_\_\_\_\_ hours

#### 6 IRRIGATION SYSTEM PIPELINE SIZE *Indicate the size of the pipeline into which you will inject.*

- 1 to 2 inches (25 to 50 mm)     4+ to 8 inches (101 to 200 mm)     Larger than 12 inches (Larger than 300 mm)  
 2+ to 4 inches (51 to 100 mm)     8+ to 12 inches (201 to 300 mm)

#### 7 POWER *Describe the details of the electrical power you have available at the injection location.*

- 12 volts DC     110 volts AC, 1ph, 60 Hz     240 volts AC, 3ph, 60 Hz     240 volts AC, 1ph, 50 Hz  
 24 volts DC     220 volts AC, 1ph, 60 Hz     480 volts AC, 3ph, 60 Hz     380 volts AC, 3ph, 50 Hz  
 90-180 volts DC     480 volts AC, 1ph, 60 Hz     575 volts AC, 3ph, 60 Hz     Other \_\_\_\_\_

If Three Phase power, indicate which type:

- Four Wire Wye     Three Wire Delta     Four Wire Delta     Two Wire Corner Grounded Delta  
 Rotary Phase Generated



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## PROCESS FLUID INFORMATION

**7 LIQUID TO BE APPLIED** *What liquid product (ie. process fluid) do you intend to apply with your Agri-Inject system?*

- Fertilizer, liquid       Herbicides       Soil Amendments       Other \_\_\_\_\_  
 Fertilizer, mixed from dry       Fungicides       Water Amendments  
 Fertilizer, acid based       Miticide/Nematicide       Biological Products

**8 RATE** *Please indicate the rate of application of the liquid you intend to apply.*

- Amount: \_\_\_\_\_  ounces  pints  gallons  milliliters  liters  other \_\_\_\_\_  
 per: \_\_\_\_\_  acre  hectare  1000 square feet  other \_\_\_\_\_

**9 CHARACTERISTICS** *Please indicate the key characteristics of the liquid you intend to apply.*

- Is the liquid labeled for chemigation?  Yes  No      Please provide the product trade name: \_\_\_\_\_  
 Please provide the product EPA #: \_\_\_\_\_      Please provide the active ingredient: \_\_\_\_\_
- Acidic (pH \_\_\_\_\_)       Suspended solids (TSS \_\_\_\_\_)       Special regs on handling/storage  
 Basic (pH \_\_\_\_\_)       High Temperature ( \_\_\_\_\_  F  C)       Other \_\_\_\_\_  
 Thick/Viscous ( \_\_\_\_\_ cps)       Toxic (Caution word: \_\_\_\_\_ ; LD50 \_\_\_\_\_)

## SYSTEM FEATURES

**10 TANK** *Do you need an Agri-Inject tank for the liquid you are applying?*

- Yes Capacity: \_\_\_\_\_  gallons  liters       No tank needed

**11 MIXING** *Will the liquid being pump require mixing/agitation?*

- No, I want to inject it in its concentrated form       Yes, the product will have suspended solids  
 Yes, I will dilute it with water       Yes, I will mix multiple products to apply simultaneously

**12 CONTROL SWITCH** *Do you need an control switch/motor starter protector?*

- Yes  No

**13 CONTAINMENT** *Do you require/desire containment for your system?*

- Yes  No  Might consider it

**14 PORTABILITY** *Indicate the degree of portability you require for your Agri-Inject system.*

- It will stay in one place throughout the year       I will move it on nearly every application  
 I will move it at the beginning/end of season       Other \_\_\_\_\_

**15 CONTROL CAPABILITY** *Indicate which control factors are desired in your injection system.*

- Injection rate proportional to irrigation flow       Timer controlled (7 day calendar)  
 Injection rate propotional to pH       Reporting capabilities  
 Based on irrigation system position/speed       Other \_\_\_\_\_  
 Remotely controlled/monitored