

# HELPING YOU **SPRAY BETTER**



SMARTER  
FASTER  
SAFER



**HYPRO®**





PROSTOP-E™

FORCEFIELD®

SPRAY NOZZLES

DUO REACT®

CLEANLOAD® MAX

EXPRESS BOOM™

EXPRESS END CAP™

CLEANLOAD®





PROSTOP-E  
FORCEFIELD  
SPRAY NOZZLES

SMARTER



# ForceField



## SUPERIOR WET SEAL PROTECTION

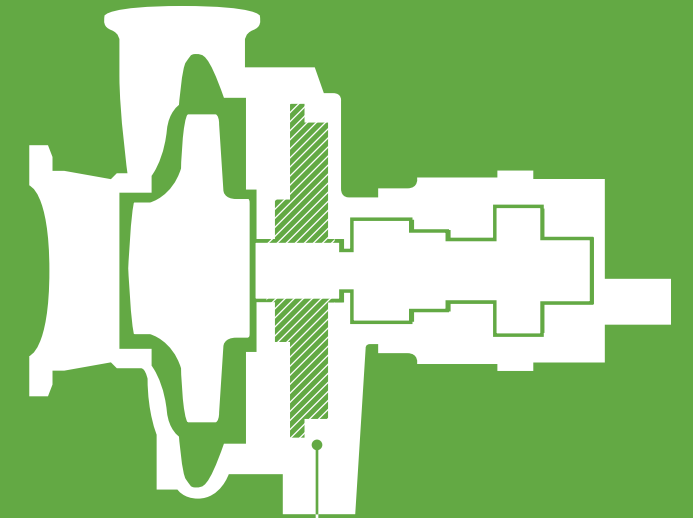
Avoid \$3K-\$10K in Downtime Costs

### What does it do for you?

- ForceField wet seal chamber protects the mechanical seal against common failures
- Self-regulates internal pressure for best performance

### Benefits

-  Worry-Free Operation
-  Avoids Costly Downtime
-  Longer Life



# ProStop-E

## INDIVIDUAL NOZZLE CONTROL



Save 2-5% on Chemistry Input ... \$45K Savings Over 5 Years

### What does it do for you?

- Provides individual on/off nozzle control
- Eliminates chemical misapplication & waste
- Eliminates the need for centralized valve banks

### Benefits



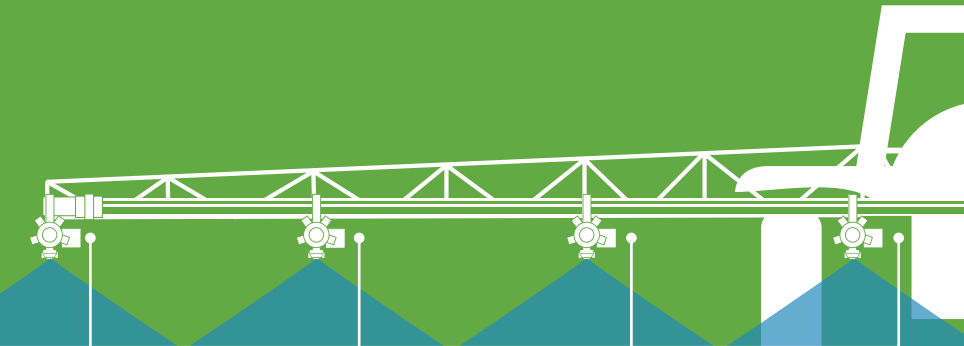
Savings on Chemical Costs



Increase Yield



Reliable Precision  
Ag Nozzle Control



# Spray Nozzles

## APPLICATION SPECIFIC NOZZLES



## Proper Nozzle Selection Can Increase Spray Deposition by 30%

### What does it do for you?

- Highly engineered for a specific application type
- Proper nozzle selection is key for increase efficacy



SPRAY IT

Use the Spray It app for help determining the right nozzle for your application.

See inside back cover for details.

#### ESI-Six Stream™

Liquid Fertilizers  
Cereals



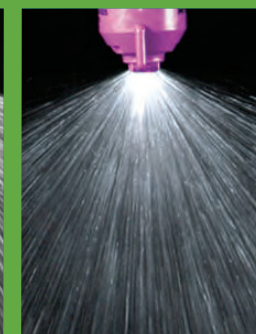
#### Hi-Flow™

Pre-Plant Fertilizer  
Burn-Down



#### Ultra Lo-Drift™

Systemic Herbicides  
Pre and Post-emerge



#### GuardianAIR™

Contact Herbicides  
Fungicides & Insecticides



#### 3D Nozzle™

Fungicides & Insecticides  
Burn-Down



#### GuardianAIR Twin™

Contact Herbicides  
Fungicides & Insecticides  
Complex Canopies







DUO REACT  
CLEANLOAD MAX

FASTER



# Duo React

## TWIN NOZZLE CONTROL



Operate 30% Faster While Maintaining Spray Efficacy

### What does it do for you?

- Automatically switches nozzles based on speed to manage droplet size
- Allows use of industry leading air induction nozzles to make a reliable spray application

### Benefits



Increase Speed Range



Control Spray Droplet Size



Limit Drift Potential

4 mph → 7 mph → 11 mph → 18 mph  
(6 Kph) (11 Kph) (18 Kph) (29 Kph)

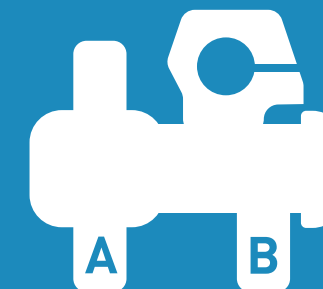
Nozzle A

Nozzle B

Nozzle A + B

Turning corners or  
traveling up hill

Flat, open field  
(top speeds)





# Cleanload Max

## LARGE CAPACITY EDUCTION SYSTEM



Eduction Rates 50% Faster than the Competition

### What does it do for you?

- Safe and fast batch mixing and loading of liquid and dry chemicals
- Large 40 or 60 gallon tank for a 20:1 ratio with 800 or 1200 gallon sprayers
- 2" or 3" bypass plumbing system available for direct filling

### Benefits



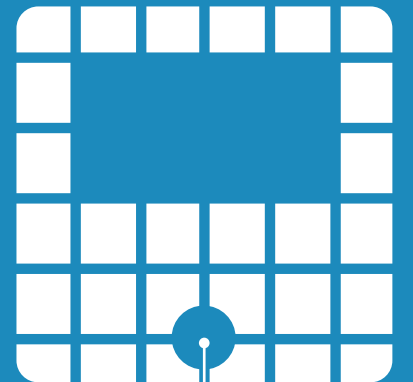
Fill Faster



Large Capacity



Full Draining, Cone Bottom Tank







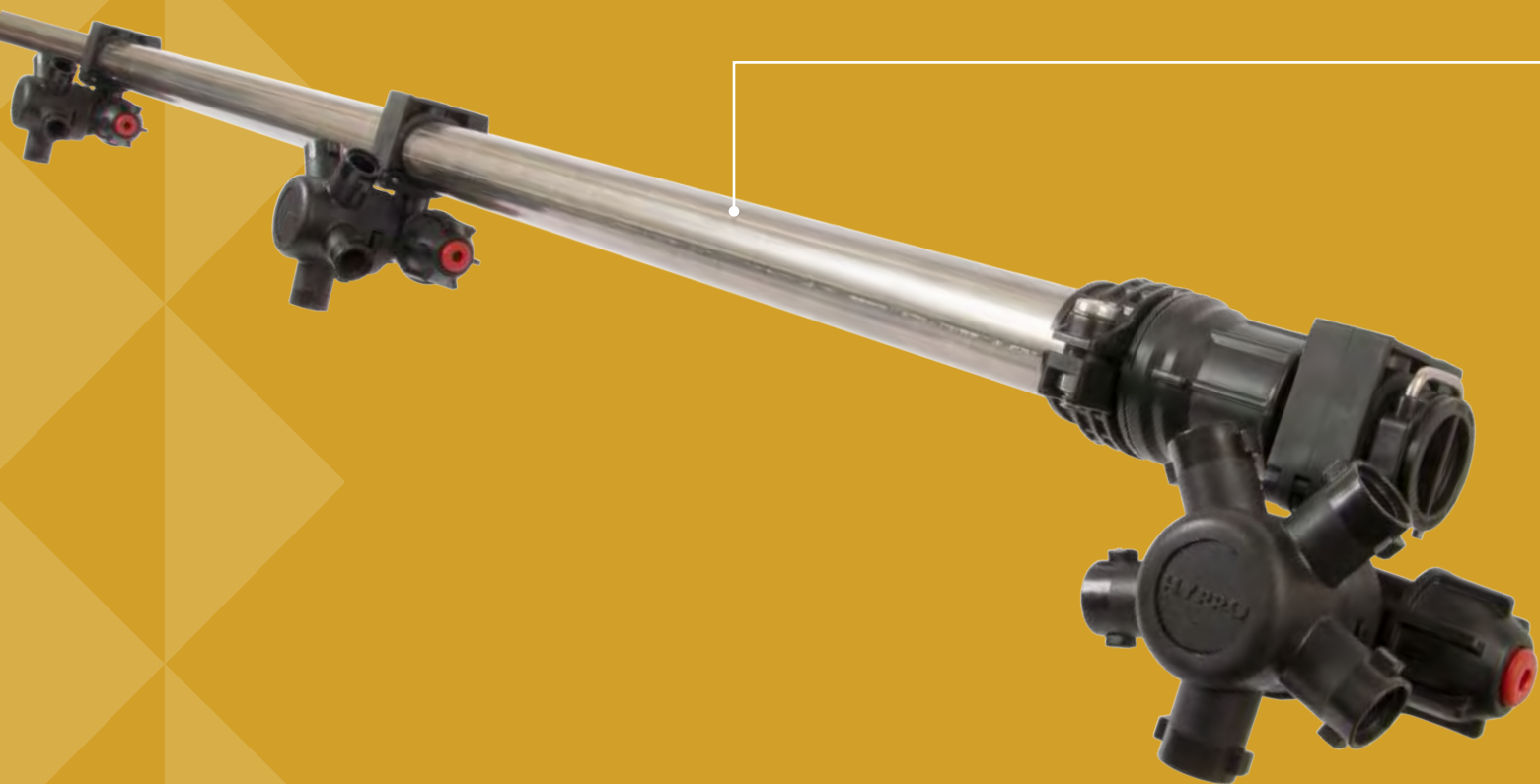
EXPRESS BOOM  
EXPRESS END CAP  
CLEANLOAD

SAFER



# Express Boom

## SIMPLE SPRAYER UPGRADE



## Provides Fast Shutoff to Protect Sensitive Areas

### What does it do for you?

- Better spray application with upgraded technology – no warped booms or torqued nozzle bodies
- Update old style polypropylene boom to durable stainless steel for better boom hygiene
- Easier boom clean out helps avoid crop injury caused by herbicide build-up in the boom

## Benefits

↔ Change Nozzle Spacing

✦ ✦ ✦ Eliminate Dead Ends  
(Better Boom Hygiene)

\$ Low Cost Upgrade

OLD POLY BOOM



NEW EXPRESS BOOM





# Express End Cap

## IMPROVED BOOM HYGIENE



## Reduce up to 7 Feet of Excess Boom Space Where Chemical Residue Can Build Up

### What does it do for you?

- Removes dead-end space beyond the last nozzle body where chemical build-up can occur
- Removable plug gives you access to the inside of the boom for easier clean out
- Lower risk of field streaking due to chemical contamination

### Benefits



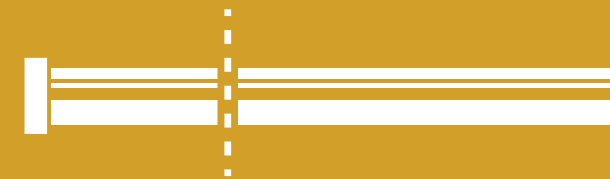
Eliminate Chemical Build-Up



Relieves Trapped Air



Easier Boom Clean Out





# Cleanload

## SAFE LOADING OF CHEMICALS



## Eliminate Slips, Trips, and Falls While Loading Chemicals in Sprayer

### What does it do for you?

- Efficiently load chemical at the ground level for operator safety
- CycloRinse & ProClean bottle rinse prevent cross contamination of chemicals
- Triple rinse chemical containers on site for safe disposal

### Benefits



Prevent Cross Contamination



Limit Operator Strain



Efficient & Fast Chemical Loading







## Spray It App - Nozzle Selection Simplified

### Select by Chemical

Choose from 500+ chemicals

### Select by Application

Help sizing your nozzle based on your application

### Search by Part Number or Name

Easily find information on a specific spray nozzle

### Where to Buy Listings

Quickly find a nozzle distributor near you or buy online



Available for Apple or Android devices  
(search 'Spray It' on the app store)  
or online at

**[hypro.pentair.com/sprayit](http://hypro.pentair.com/sprayit)**

"Tried a lot of sprayer nozzle selection apps. My favorite these days is Hypro's Spray It."

**-Evan Sjovold, Farmer**



# BETTER

SMARTER FASTER SAFER

[hypro.pentair.com/spraybetter](http://hypro.pentair.com/spraybetter)



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