Narrow roads
Larger equipment
Expanded trade area
More vehicles/speeds
Inattentive drivers
Confused drivers
It’s all about me
You can’t control stupid, but you might control the outcome
Plan your jobs in the morning. Planning ahead keeps you out of these predicament.
Take extra care at intersections because there is no walking away from these accidents
I’ve waited long enough. Here we go!
Pull Over When Safe to do So

Pulling over is part of being a responsible driver
Anticipate what traffic will do
Left turns by sprayers are one of the most serious highway risk faced by the applicator.
Illustrating putting the whole sprayer on the bridge
Only putting part of the weight on the bridge
Don’t try to beat the train to the crossing
Trailing Vehicles: Good or Bad Idea
Leave 5 minutes apart between equipment.
Conclusion

Be better than the person you are sharing the road with.
Keep the Spray Rig on the Road and Out of Trouble

Tips for Dealing with Distracted and Impatient Drivers
Sources of Herbicide Contamination
Possible culprits are ........

Spray Tank
• surface walls
• recessed drains
Nylon Braided Hose
Discharge Only, Not Suction

Cost
1/2” - $1.98/ft
3/4” - $4.78
1” - $6.23

3 Times the cost of black EPDM Hose

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Kuri Tec

Series A4086
High Pressure Polyethylene Rubber Blend Reinforced Chemical Spray & Transfer Hose

A premium chemical spray and transfer hose for applications requiring greater chemical-resistance... excellent for high pressure tree and orchard spraying, as well as paint, solvent and chemical transfer.

Construction:
- Tube — Co-extruded blue LDPE/rubber blend.
- Reinforcement — High tenacity strength yarn... two-pass spiral construction.
- Cover — Blue rubber blend compound.

Features:
- Excellent chemical-resistance.
- Extremely light weight.
- Excellent low temperature properties.
- Pin-pointed cover vents vapor... helps prevent balloting.
- Silicone-free.
- RoHS® compliant.

Applications:
- For use in applications where additional chemical resistance is required... see chemical resistance chart, referring to both core and cover materials, on Page 66.
- High pressure tree, orchard and vineyard spraying.
- Concrete curing and spraying.
- Paint and solvent transfer.
- Chemical transfer.

Service Temperature Range: -40°F (-40°C) to +130°F (+54°C)

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### Nominal Specifications

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<td>06</td>
<td>3/32</td>
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† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hygienic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.
**TITANFLEX®**

**UHMWPE Chemical Hose**

**FDA, USDA, 3-A**

**Series SWC693**

Series SWC693 is an extremely flexible, high pressure, high temperature suction and discharge hose designed to handle approximately 98% of commonly used acids, chemicals and solvents as well as food, pharmaceutical and sanitary materials. The hose is manufactured using polished stainless steel mandrels for an ultra-smooth tube that will not impart taste or odor. The ultra high molecular weight polyethylene (UHMWPE) tube meets FDA, USDA and 3-A requirements and will not leach into and contaminate the product being conveyed. The lightweight corrugated hose construction incorporates a dual wire helix that provides full suction capability, superior kink resistance, minimal force to bend and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, mild chemicals and ozone.

**NOTE:** Refer to the Safety and Technical section of this catalog for safety, handling and use information. Refer to the Chemical Guide section of this catalog to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

- **Tube:** Translucent ultra high molecular weight polyethylene (UHMWPE)
- **Reinforcement:** Multiple textile plies with dual wire helix
- **Cover:** Green EPDM; corrugated wrapped finish
- **Temp. Range:** -40°F to +250°F (40°C to +121°C)
- **Brand Method:** Black text on yellow stripe
- **Brand Example:** PARKER SERIES SWC693 TITANFLEX® UHMWPE CHEMICAL SUCTION HOSE XXX PSI MADE IN USA
- **Design Factor:** 4.1
- **Industry Standards:** FDA, USDA, 3-A
- **Applications:**
  - Non-fatty and non-oily foods and liquids, potable water, sanitary products
  - Acids, chemicals, solvents
  - In planta and tank transfer, delivery, transport
- **Vacuum:** Full
- **Packaging:** Coils

(Continued on the following page)

**Wire braid**

**Suction and Discharge**

- **1”** - $7.78/ft
- **1 1/4”** - $9.85
- **1 1/2”** - $9.93
- **2”** - $11.73
- **3”** - $17.89
Proposed Cleanout

Empty boom every night
First Rinse Sprayed in field
Remove, clean and replace screens
Remove and clean end caps
Second rinse with water and replace end caps
Add and hold tank cleaner
Third rinse and flush
Fourth rinse (?)
Rinse outside of sprayer

Do you have written procedures for tank cleanouts that applicators sign off on?
You might think after a pump has lost its prime that hardly any product remains in the system. But a 120' boom may hold 35 gallons and a 90' boom may hold 25 gallons. Depending on the rate applied, that's between one to three acres of product left in the boom and hoses. That's a lot of damage waiting to happen!
Wear Gloves
Passing the eye test
First rinse done

Before Second Rinse-Screens and End Caps
Remove, Clean, and Reinsert Screens
Third Mistake—Believing That Flushing The Screen Is Cleaning
Always wear long pants and long-sleeved shirt when rinsing equipment.
Remove And Clean End Caps On Boom Sections
Second Rinse-Tank, Hoses, Screens, End Caps

First rinse done
First rinse: tank, hoses, boom

Second rinse: tank, hoses, screens, end caps, boom

Add Tank Cleaner
A Major Fourth Mistake—Tank Cleaners Work Magic!
The Longer You Leave The Tank Cleaner In, The Better It Works

How Long Is Anyone’s Guess

NOTE

The solution should be allowed to remain on all surfaces to be cleaned so that the solution can have time to penetrate all existing residues. This process can take as little as a few minutes, to as long as a day depending on the physical state of the deposit. Since it is impossible to know how long to wait, a person must use their best judgement. Since this is not 100% certain, you must determine whether the last rinsate is “safe”. You can do this by applying a test solution to the next crop and determining by visual symptoms if it is safe to be used.
INCIDE-OUT™ SPRAY TANK CLEANER

PRINCIPAL FUNCTIONING AGENTS:
Organic Amine, Inorganic Hydroxides, Surfactants and Formulation Aids

All ingredients are approved for use under 40 CFR 180.1001(c).

DANGER: Corrosive.
KEEP OUT OF REACH OF CHILDREN
DO NOT TAKE INTERNALLY
FOR USE BY TRAINED PERSONNEL ONLY

PRECAUTIONARY STATEMENTS
Before using this product, read the entire label, including conditions of sale.
This product contains caustic alkali which may cause severe burns if swallowed. Severity of damage or injury increases with time.
• First rinse: tank, hoses, boom
• Second rinse: tank, hoses, boom, screens, end caps
• Third rinse with tank cleaner: tank, hoses, boom, screens, end caps
• Some add a fourth rinse to clean out any remaining tank cleaner
The Power Of Three Rinses
Can not contaminate water based on label language with waste water
Proposed Cleanout

Empty boom every night
First Rinse Sprayed in field
Remove, clean and replace screens
Remove and clean end caps
Second rinse with water and replace end caps
Add and hold tank cleaner
Third rinse and flush
Rinse outside of sprayer

Follow the procedures in the tank cleaning process to the letter!
Removing Herbicide Residues from Agricultural Application Equipment

How Proper Cleaning Helps Prevent Crop Damage and Improves Performance