WWTCKT5

[User Manual]

Please read and follow the installation and operating instructions provided.

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IMPORTANT:

YOUR SMUCKER WEED WIPER COMES WITH A 2 YEAR MANUFACTURES WARRANTY. PLEASE SAVE YOUR RECEIPT FOR PROOF OF PURCHASE. CONTACT THE DEALER THAT YOU PURCHASES YOUR WIPER FORM WITH ANY WARRANTY ISSUES.

INTRODUCTION

Congratulations on your purchase of a Smucker Super Sponge® Weed Wiper!

The Super Sponge® is a lightweight, durable, herbicide applicator. Our sponges are designed to apply the maximum amount of product to the target weeds without any drift. The sponge applicators are made of industrial-strength, crusted sponge that stay saturated with chemical to wipe directly onto weeds. Our sponge weed wiper and top crop kits are applicators. Smucker Manufacturing makes no guarantee of any and all chemical use through the sponge application. Please read all chemical labeling concerning the weed wiper instructions.

The Super Sponge® has proven to be a quick and efficient way to wipe out weeds in your crops in many independent studies and we are confident you will be pleased with the results. We value our customers, and we would appreciate any input or comments you may have regarding your new Super Sponge® wiper.

You can visit our **smuckermfg.net** website page for reference to all weed wiper parts and diagrams. If you still have questions, give us a call and we can even help you locate your closest Smucker dealer.

Also, visit **www.smuckermfg.net** or ask your dealer about the other product lines we offer. We offer premium products at an affordable price. Take a look at our Foam Markers, Calf Warmers, and VisionWorks camera systems for farm equipment on our website.

www.smuckermfg.net www.redweeder.com www.visionworkscameras.com

Scan QR codes below with your smart phone

Mobile website for VisionWorks Cameras

Smucker Mobile website

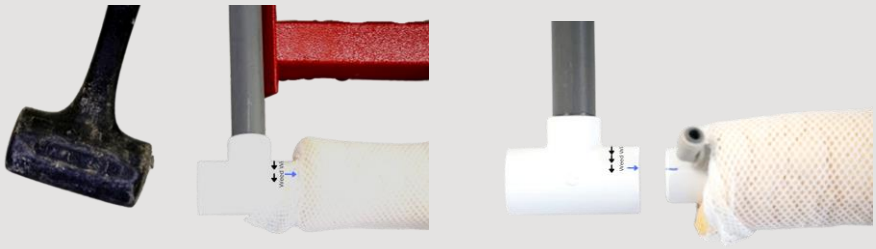
Installation Instructions

Thank you for purchasing a Top Crop Weed Wiper kit. Please follow the directions provided carefully. The Top Crop kit is an extremely flexible and cost-efficient way to eliminate weeds without applying herbicide to your crop.

Step #1 Connecting the Sponge Sections

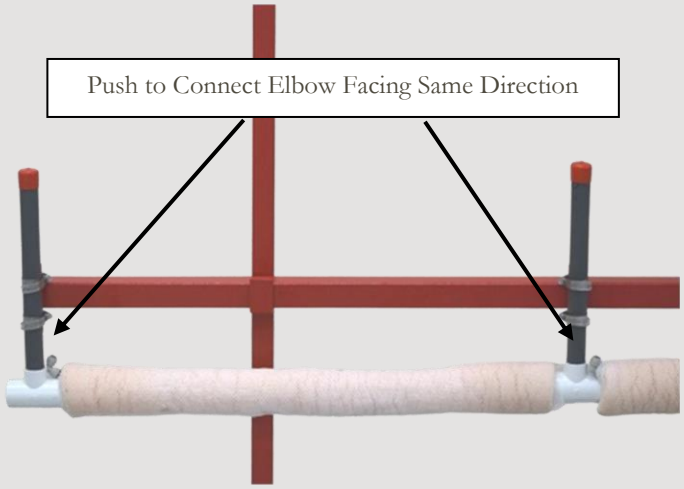
The first step is to wet down all the sponges. Next lay out each of the 30" sponge sections on the ground. Connect them together as pictured with our PVC "Tee" risers. Do not worry, it is okay to end your boom with a "Tee" since there is no chemical flow through the risers.

IMPORTANT: **DO NOT** glue your sponge sections into your PVC, "Tees." Hammer them together with a mallet. .It is **very important** that you connect your sponge sections with the push to connect elbow facing up & with the blue mark on your white caps facing forward, in the direction you will wipe, at the one o'clock position (as pictured). **Notice that your push to connect elbow will be on the same side for each of your sponges across your boom**.



Make sure, as you hammer in your elbow, that you get your sponge wet and hammer the elbow in until the edge of the cap reaches the center of the, "Tee." After hammering in your risers, make sure you stretch your sponges out over your T-risers so that your boom is almost entirely covered by your sponges (Sponges must be wet to do this).

(Step #1 Continued)



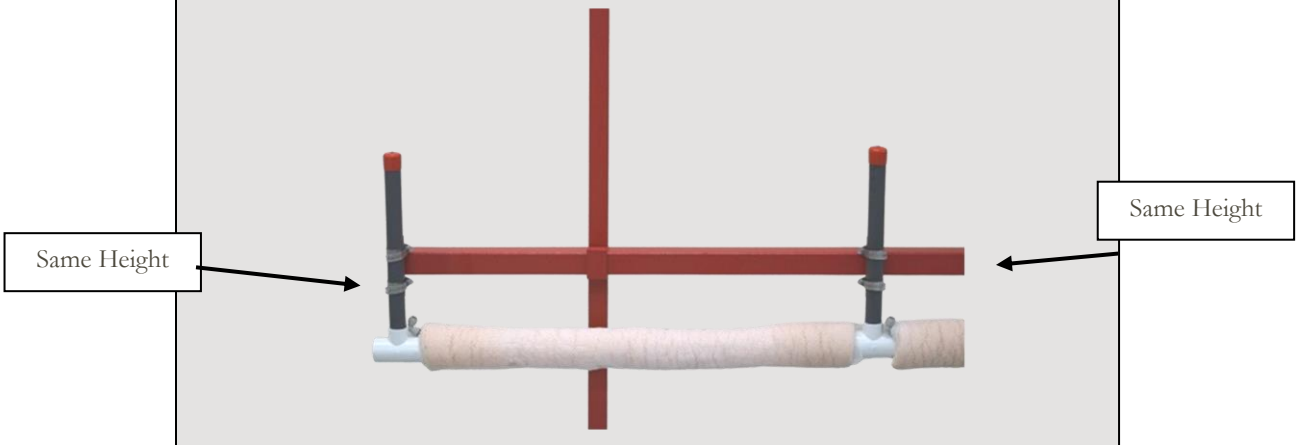
Make sure, as you hammer in your elbow, that you get your sponge wet and hammer the elbow in until the edge of the cap reaches the center of the, "Tee." After hammering in your risers, make sure you stretch your sponges out over your T-risers so that your boom is almost entirely covered by your sponges (Sponges must be wet to do this).

Step #2 Attaching Sponges/Tee Risers to the Boom

Option #1: Weld mounting tabs to your boom

There are several different options when attaching the PVC Tee's to your boom. Below we have highlighted a few of the options.

Option #1 We recommend that you use a 4" pieces angle iron. Weld an angle iron tab to your boom every 30"

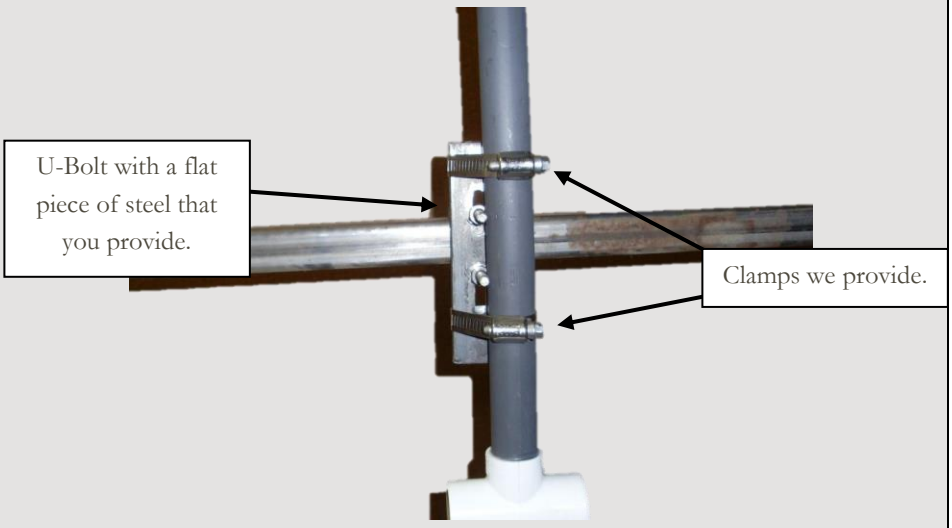


From there simply clamp your, "Tee" risers onto your welded angle iron tabs with the clamps included. Make sure that you clamp each, "Tee" riser at the same height to ensure that your sponge boom is level (as pictured next page). Use two clamps per riser. You should use 2 clamps per Tee Riser.

(Step #2 Continued)

Option #2: Use U-bolts

This kit **DOES NOT** include U-bolts, but a common way to attach the risers to your boom without any welding, would be to use a U-bolt every 30" with a flat piece of steel as pictured below. Simply use the clamps provided to attach the Tee Riser to the flat piece of steel on your U-bolts.



We offer an optional metal bracket (WW2344) to secure your weed wiper to a boom. If you would like to view this part, check out our website at smuckermfg.net or call us at 541-995-8000

Step #3 Plumbing & Manifold Options

Your kit comes with a manifold system (WWTCM2P), which connects to **your existing (not provided)** equipment pump outlet. Mount the provided manifold system (WWTCM2P) to the **CENTER** of your boom (i.e. the center of your weed wiper), with the zip ties provided (NY108H QTY: 2).

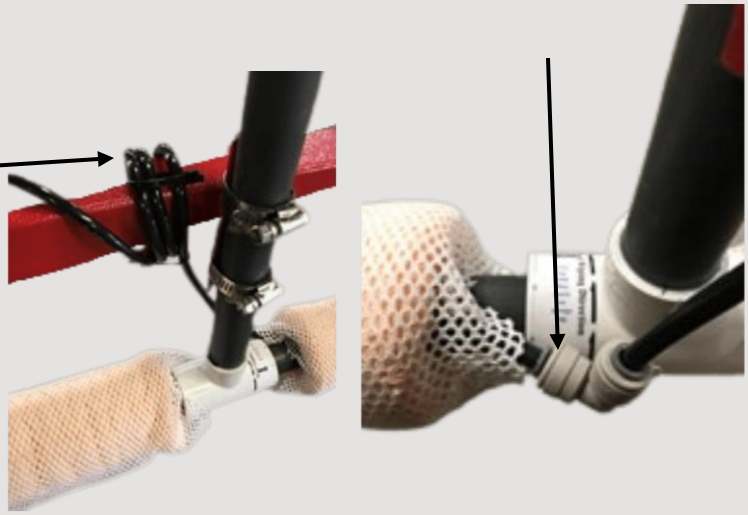
(Step #3 Continued)

We **DO NOT** provide the pump needed to power our weed wiper. We **DO NOT** provide the vinyl tubing needed to run from your manifold to your pump because the length required will vary. Connect your manifold to your existing spray pump.

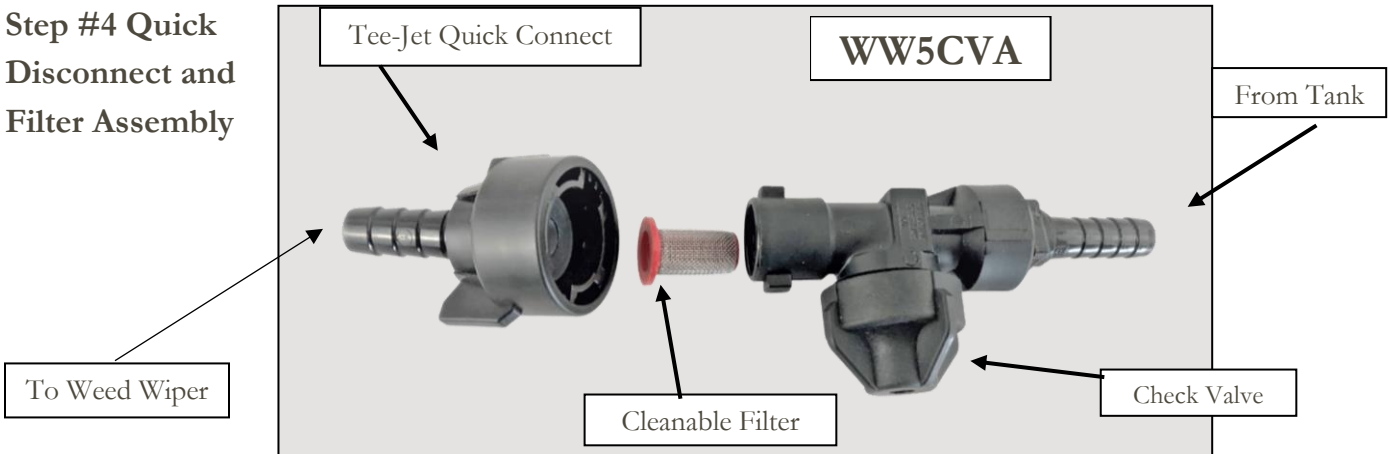
The manifold included has quick connectors to supply product to each of the 30" sponge section (in this case there are eight ports). Measure your longest line and cut all the tubing to that length **It is extremely important that each sponge assembly is supplied with the same length of tubing to ensure equal chemical flow.** Any extra tubing can be coiled up and zip tied to the boom. (View picture below for a visual). Do not over tighten the zip ties and pinch the tubing.

Simply push the tubing into the quick connectors on both your sponge section, and your manifold. To remove the tubing **hold down the grey ring around push to connect, while pulling out the tubing**.

Coil your tubing up securely as pictured behind your clamps.



Step #4 Quick Disconnect and Filter Assembly

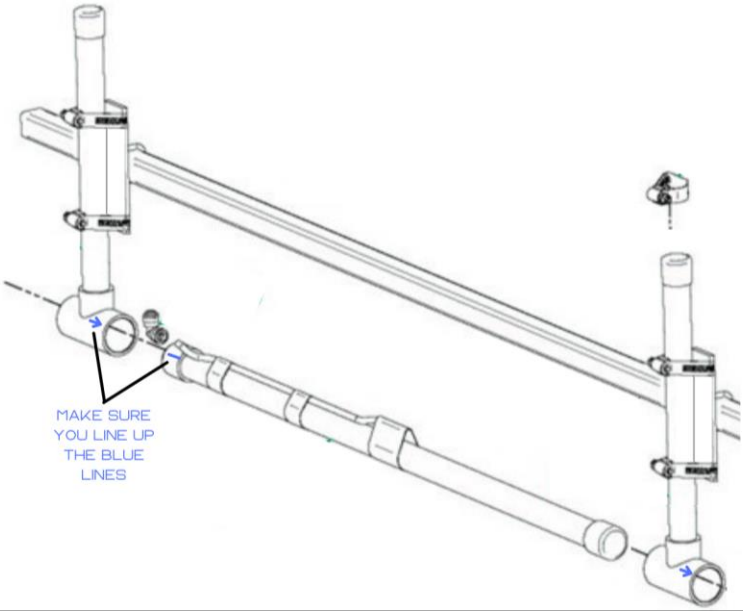


Quick Connect

This assembly comes pre-installed to the inlet side of the manifold. Make sure that you have a way to turn the pump on and off. You will not be running the pump continuously while using your weed wiper. When the pump is on, chemical will be pumped into the PVC, then through small holes saturating the sponges. This pump fed system will ensure quick filling and instant shut off since the system in pressurized.

Maintenance/Winterization

We recommend routinely checking your cleanable filter. The holes feeding the sponges are very small, they can plug easily without a functioning filter. When you **WINTERIZE** your wiper, remove your tee-jet quick connect and blow shop air toward the sponges to remove any residual liquids.



Operating Instructions

The Weed Wiper is a very effective contact herbicide applicator. Non-selective herbicides can be applied to weeds growing above crops. Proper set-up, adjustment, operation, and maintenance are essential to assure effective weed control while protecting the crop from herbicide damage.

Before You Start

1. Before you start using your sponge weed wiper in the field, get the sponges wet with a garden hose. When sponges are dry, they are hard and do not absorb chemical evenly.

2. Next, we recommend that you run water through your tank to check your sponges for even feeding. Before filling the tank with chemicals, put water in your tank and turn on the pump until you see the sponges dripping. Watch for even dripping throughout the full length of the boom. Unlike a conventional sprayer, you cannot see plugged nozzles on a wiper during operation. Always check for uniform feeding before heading out into the field.

3. Once even feeding is attained, drain your product tank by removing the 3/8" supply tubing from the check valve assembly. Run your pump tell the tank is empty. Squeeze the excess water from the sponges and fill the tank with chemical solution. Turn on your pump until you see the sponges fully saturated (almost dripping), which typically will only take a few seconds. Once your sponges are saturated, you are ready to go weed wiping!

Mixing Instructions

The most common product to use in a wiper is Glyphosate. The manufacturing label recommends a 33% mix rate, however, please follow **your** label for mix rates in a wiping applicator/contact herbicide applicator. It is important to remember that the ratio of herbicide to water can vary depending on the weeds to be controlled, the time of year, and the temperature. Contact your chemical field representative or extension service for the best herbicide mix rates and proper surfactants to kill the weeds you are trying to control.

If you are trying to control Glyphosate resistance weeds, you may want to consider using Paraquat. The label, in most states for controlling Palmer Amaranth, is listed at a 50% mix rate.

Field Adjustments

Adjust the height of the sponges to a level just above crop to contact as much of the weed as possible, without wiping the crop.

Turn on the master on/off switch only when you believe that you need more chemical, the sponges should fill within a few second. Begin wiping at 5-7 MPH. Try to maintain a proper level of product in the sponges without dripping. While you are learning the timing for turning the pump on and off, it's usually better to set the wiper too wet and have a little dripping, rather than have it set too dry and have poor weed kill.

Maintenance Requirements

Common Sponge Maintenance

The protective netting over the sponge is easy to replace. Therefore, we recommend that you check your sponges often for wear and tear.

If you need your netting replaced, ask us for part number (WW2302). If you need your sponge replaced, ask us for part number (WW2301).

Storage Maintenance

Do not store the system over the off-season with chemical in the lines. A film will form on the tubing and can plug the small feedholes within the sponge. Avoid this by flushing your system thoroughly with water at the end of the season. We recommend using a garden hose to rinse the bulk material out of the sponges after every use.

Check and clean the filter within the check valve assembly as needed. At the end of the season, store your weed wiper in a dry place, **out of direct sunlight.**