

B2B SEED TREATER

SEED FLOW CONTROL



We are excited to announce that we have a free upgrade for your B2B treater. The number one thing B2B owners have told us is that it is hard to control the flow of seed using the slide gate on the seed box. Our new “Flow Control” allows you to open the seed box gate from 2”– 4” open and seed flow will be controlled with the small slide gate on the Flow Control that is inside of the B2B chute. This will give you constancy with each box of seed that you treat. Hopefully you will find the Flow Control as useful as we have in controlling the flow of seed through the B2B Treater. All you must do is set the gate on the Flow Control for the seed size that you have based off the chart we have included and pull seed box gate open anywhere from 2” to 4” past the outside of the seed box. No more worrying about getting the seed box gate set just perfectly.



We have also included a handle for the bottom of the chute to allow the chute to be put on the box without holding your hand inside of the chute where there is treatment residue.

Install instructions for Flow Control:

1. Before cutting the three zip ties that currently hold the purple diverter plate in place that sets above the bottom nozzle. Look at how zip ties are feed through holes in chute and through the slotted holes in the steel plate. Cut the three zip ties to remove the purple diverter plate and install the new B2B Flow Control with three new zip ties.

Calibration procedures with Flow Control:

1. Look on the seed tag for what you want to treat. Find the “seeds/lb.” and look on the line graph chart for your selected crop and the number of units in a box of seed. After finding the correct chart, follow the Blue horizontal line in the middle of the chart (5-minute drop rate) over to the seed size you have. Draw a line straight down to the bottom of the chart and you will find how far open the B2B Flow Control gate should be. With our example on the “Soybeans (45 units) – Gate Opening per Seed Size” chart shows at 2700 seeds/lb. you will need to set the opening less than 1 3/8”. (Note: this is a starting point only; temperature and humidity will affect flow.)
2. **(DO NOT APPLY ANY TREATMENT, AT THIS TIME.)** After setting the B2B Flow Control opening, use a stopwatch to time the drop rate of your box of seed. Using our example of 2700 seeds/lb., let’s say that your box emptied in 5.2 minutes instead of 5 minutes. That is OK because we will use the nozzle pressure chart next to see what pressure we need for 5.2 minutes.

QUESTIONS? CONTACT US AT

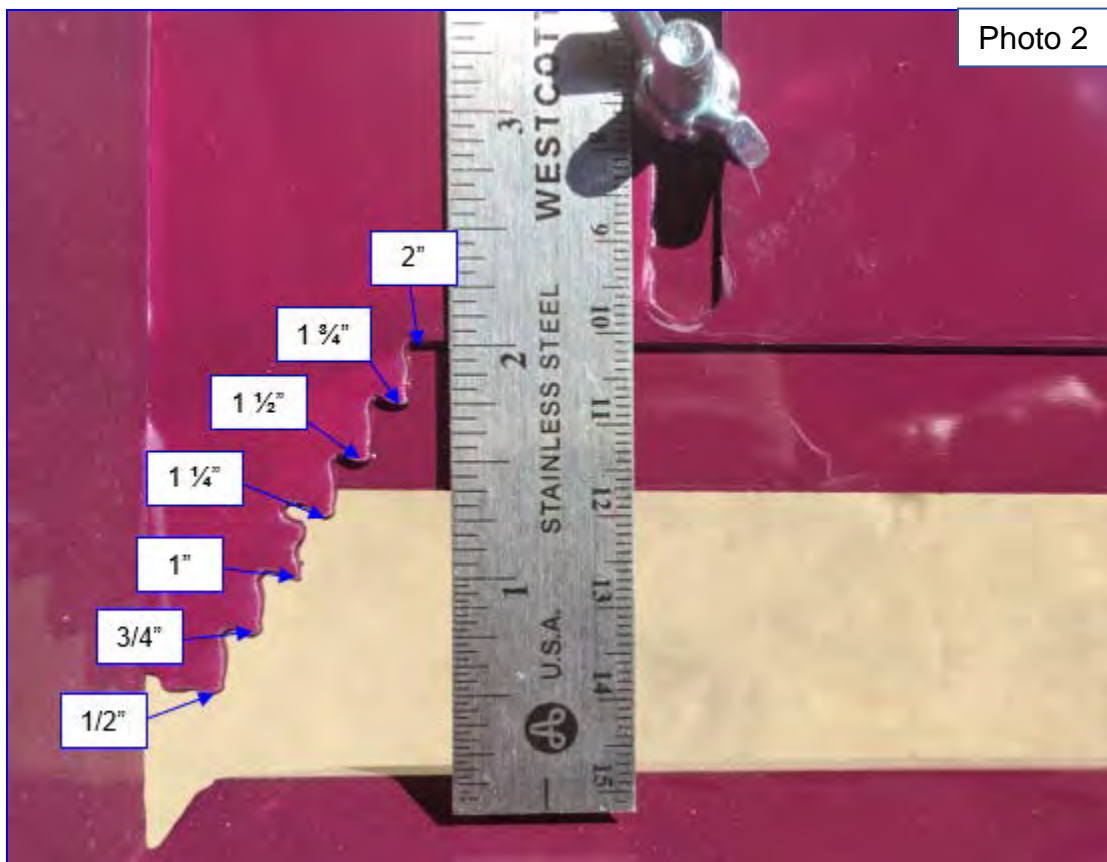
Phone: (507) 342-2222 Email: sales@bulkseedsystems.com Website: www.bulkseedsystems.com

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3. Look at the “B2B Treater Setup – Nozzle and Pressure Selection Chart” to find the column that shows 5.2-minute drop rate. Now follow that column down to the row that has the total ounces that you want to apply to your box of seed. Let’s say we want to apply 250 ounces of product to one box of seed. With our example above, there was a drop rate of 5.2 minutes, we would follow the column down from 5.2 minutes and follow the 250 oz/box row over to see that we need to use 35 psi with the yellow nozzles or 16 psi with the blue nozzles. (Note: this is a starting point only; thickness of product will change pressure that is needed.)
4. Final Step: **(Without running seed through the B2B Treater.)** Place a container at the bottom of the B2B chute to catch treatment so you can measure the amount (in ounces) that you spray out over the amount of time you need to treat one box of seed. Use a stopwatch to check that the correct amount of treatment you will be using flows through the nozzles at the pressure you set it at. (The thicker the product, the higher the pressure may need to be.)

Below is a close-up photo of the B2B Flow Control Gate set at 1 3/8” open (Photo 2). It has many notches at both sides of the slide gate. With the slide gate all the way up there is a 2” opening. Each notch is 1/4”, so if you need to set gate at 1 1/2” you need to go down two notches. If you need to set gate at 1 3/8” then you need to lower the gate 2 1/2 notches from wide open.

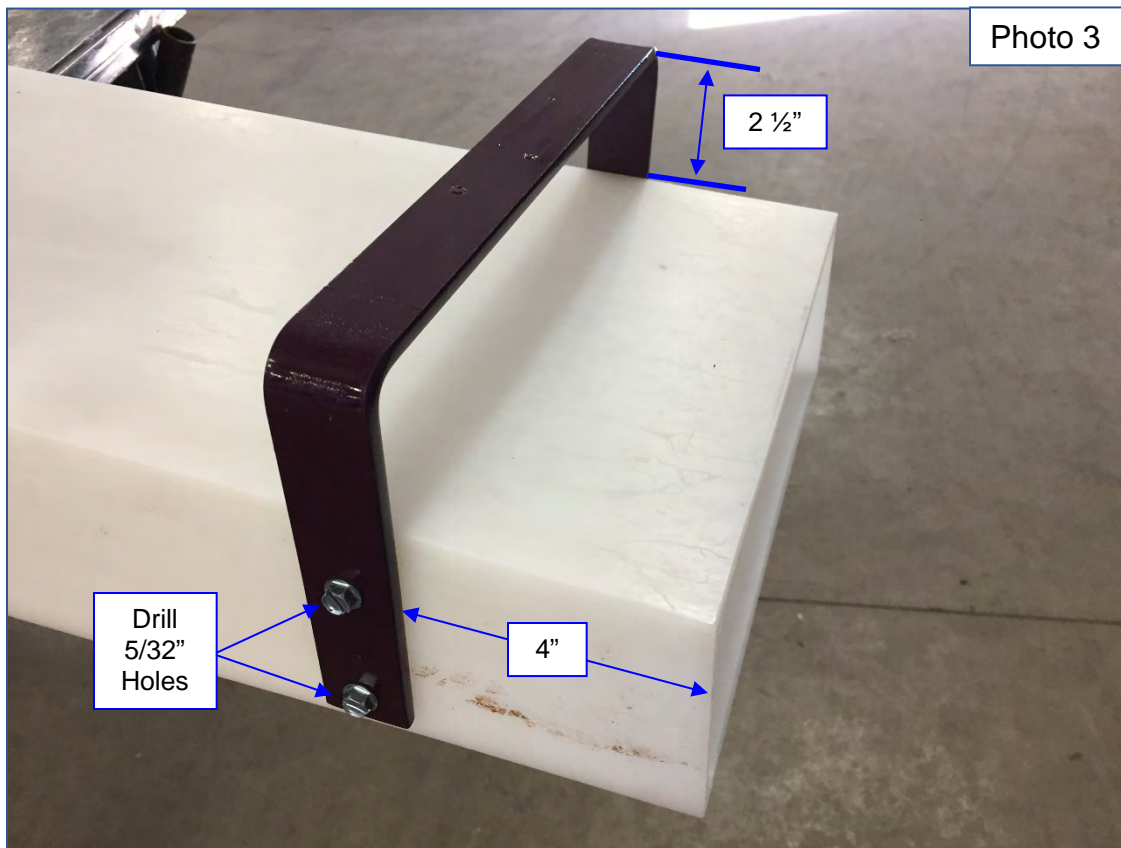


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Install instructions for handle at bottom of B2B chute:

1. Place handle over of B2B chute (photo 3). Measure 4" from the bottom of chute and hold the handle 2 ½" above the top of the plastic chute.
2. Use a 5/32" drill bit to drill four pilot holes for the screws that were sent with the handle.
3. Install the four screws into the holes you drilled to hold handle in place.

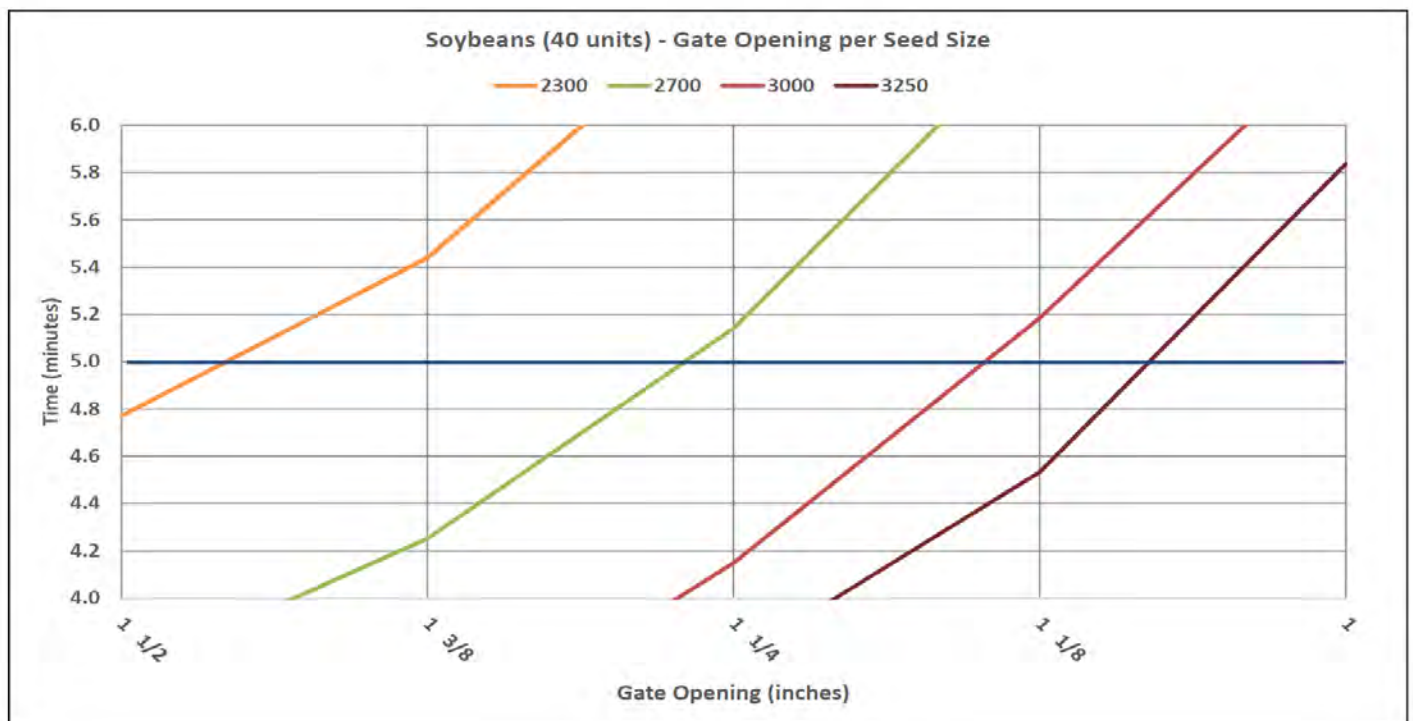
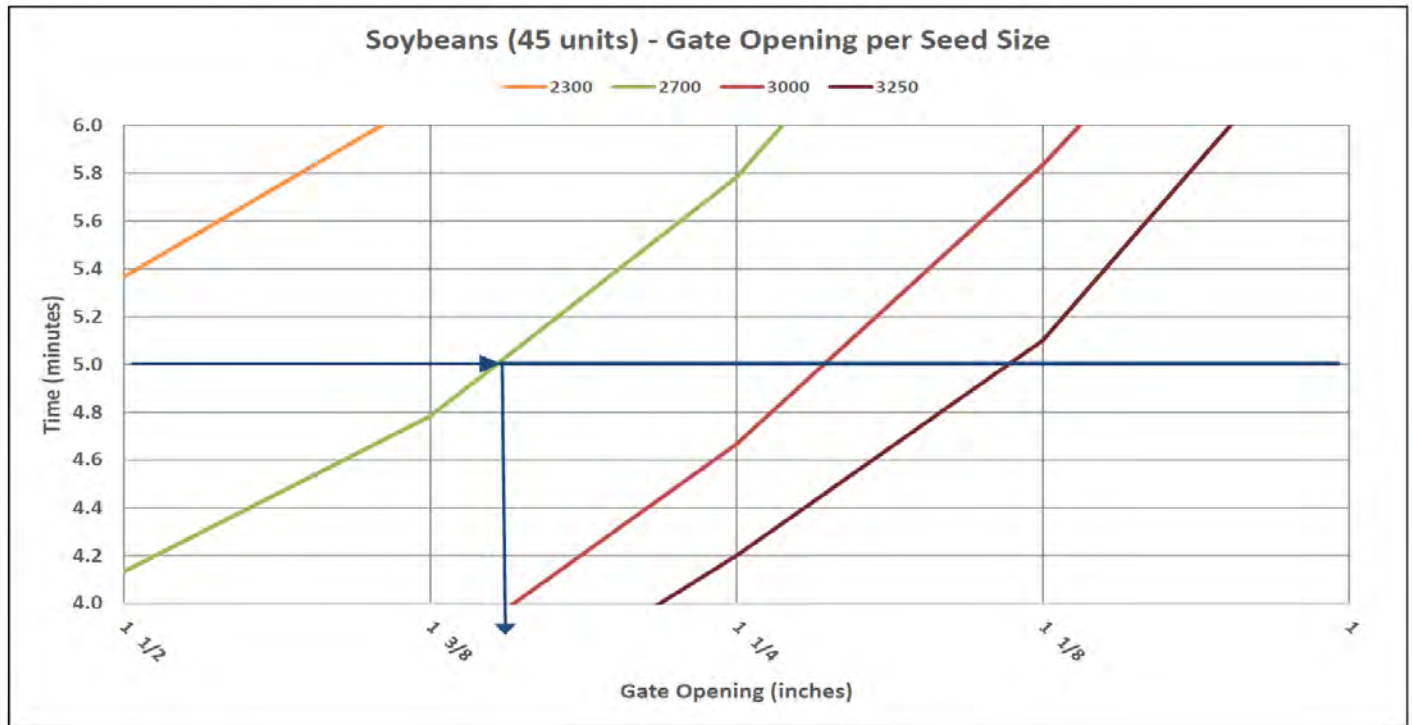


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Follow these steps for calibration of B2B Treater...

1. Look for your seed size on your seed tags. (this could be in seeds/lb)
2. Follow the Blue horizontal line on the chart at the 5 minute line until you get to your seed size
3. From your seed size draw a line straight down to the bottom of chart.
4. This will be your setting for the B2B Flow Control Gate
(example is for 2700 seeds per lb. Gate setting would be a little less than 1 3/8" open)

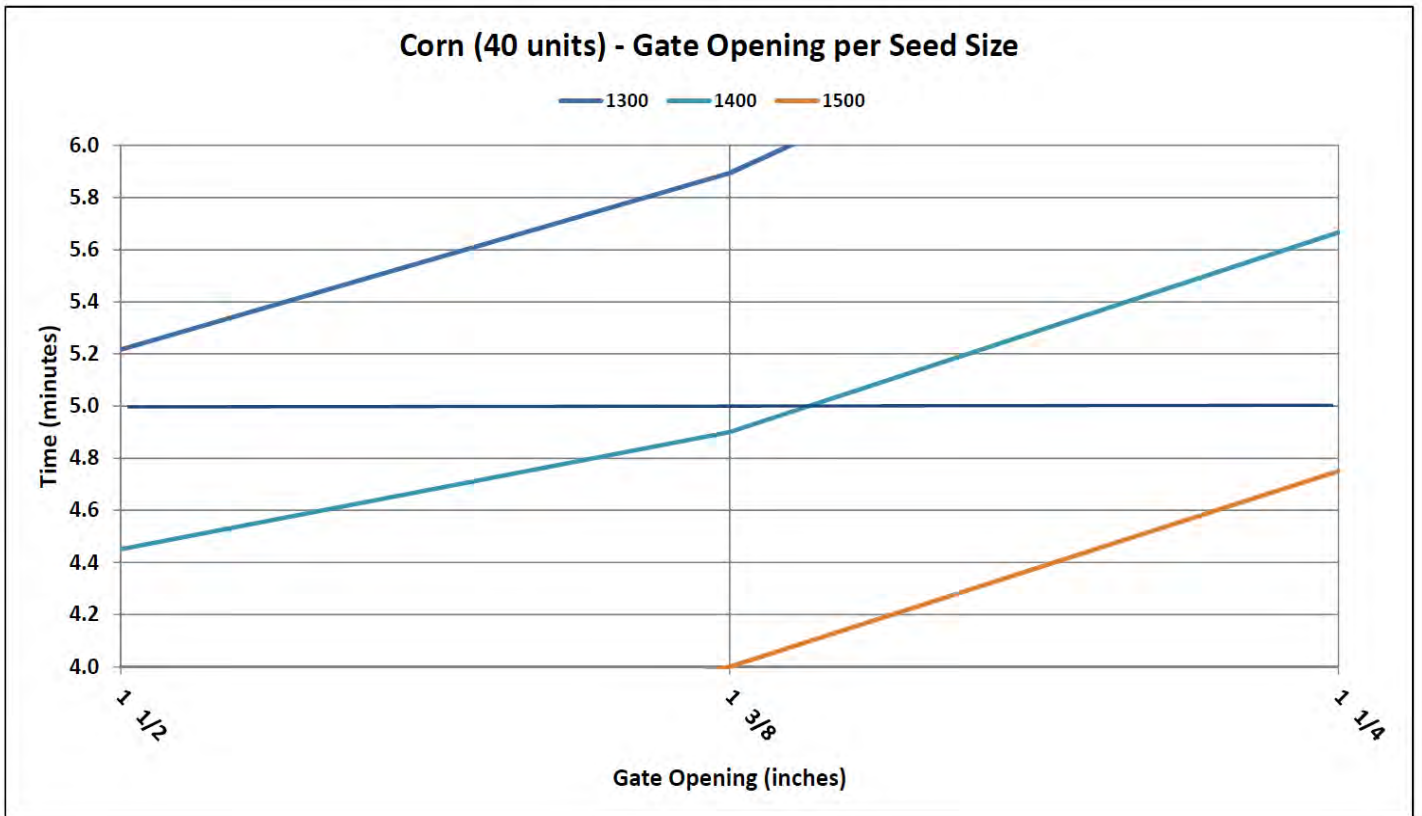
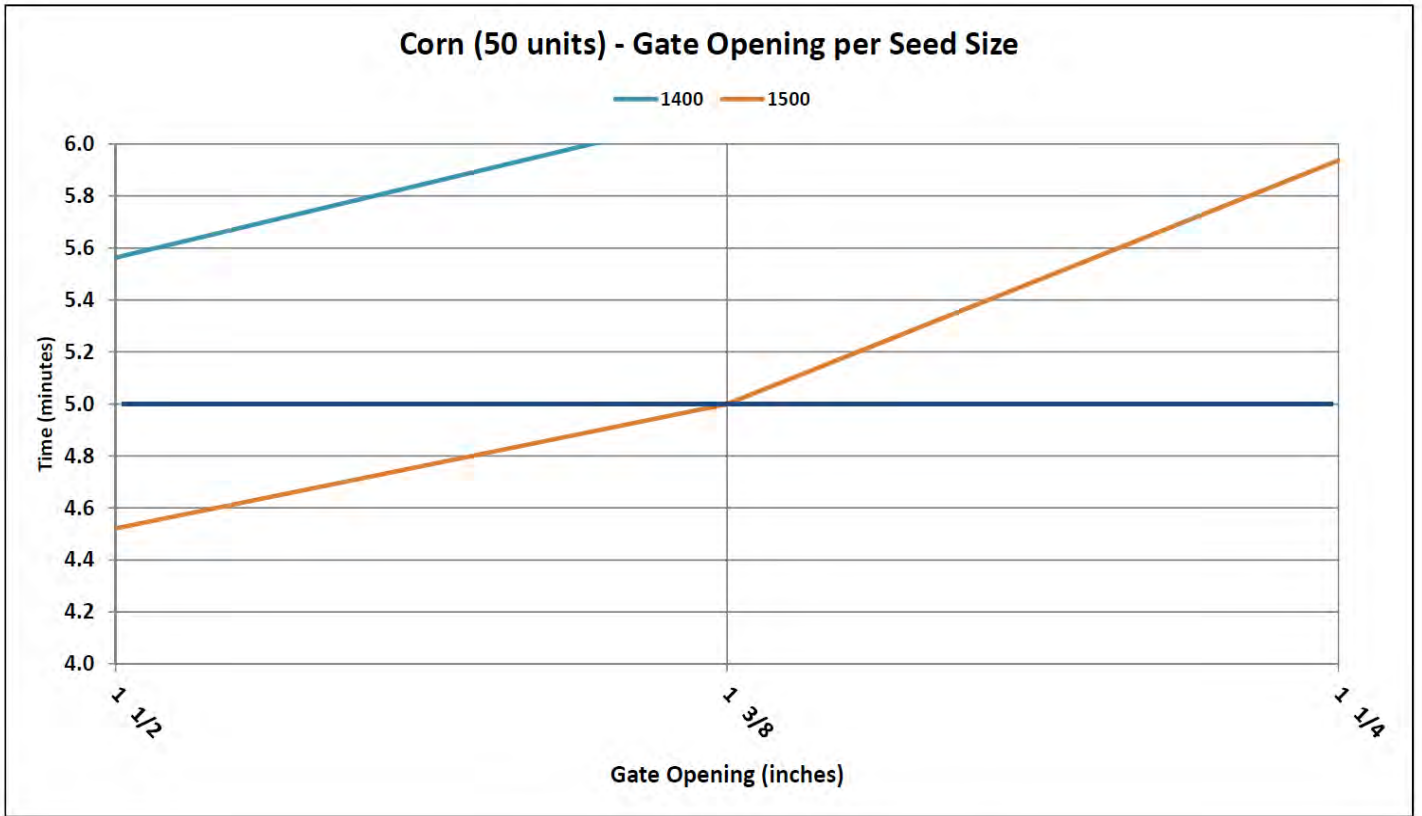


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B2B Treater Setup - Nozzle and Pressure Selection Chart

Use this chart to set nozzle pressure, after setting Flow Control Gate on B2B chute, and timing the drop rate from the seed box

oz/box (gallons of treatment x 128oz/gal)	Drop Rate in Minutes																
	4min-0sec 4.0 min	4min-12sec 4.2 min	4min-24sec 4.4 min	4min-36sec 4.6 min	4min-48sec 4.8 min	5min-0sec 5.0 min	5min-12sec 5.2 min	5min-24sec 5.4 min	5min-36sec 5.6 min	5min-48sec 5.8 min	6min-0sec 6.0 min						
150	22	20	19	17	16	15											
175	30	27	25	23	21	19	18	17	16	15							
200	18	16	32	29	27	25	23	21	20	19	18						
225	22	19	18	17	34	31	29	27	25	24	22						
250	15	24	22	20	19	17	16	15	31	29	27						
275	19	17	15	25	23	21	19	18	17	16	15	13					
300	22	20	18	17	15	25	23	21	20	18	18	16					
325	16	23	21	19	18	17	15	15	24	22	20	18	16				
350	19	17	15	22	21	19	18	16	16	15	14	13	12				
375	15	20	18	16	24	22	20	19	15	15	14	13	12				
400	17	16	21	19	17	15	15	13	18	18	17	16	15	14			
425	20	18	16	21	19	18	16	15	22	21	20	19	18	17	16		
450	22	20	18	17	15	20	18	17	15	15	14	13	12	11	10		
475	24	22	20	19	17	16	16	15	18	18	17	16	15	14	13	12	
500	27	25	22	20	19	17	16	16	20	20	19	18	17	16	15	14	
525	29	27	25	23	21	19	18	16	15	15	14	13	12	11	10	9	8
550	32	29	27	25	23	21	19	18	17	15	14	13	12	11	10	9	8
575	35	32	29	27	25	23	21	19	18	17	16	15	14	13	12	11	10
600	38	35	31	29	27	25	23	22	20	19	18	17	16	15	14	13	12
625		38	34	31	29	27	25	23	22	20	19	18	17	16	15	14	13
650			37	34	31	29	27	25	23	22	20	19	18	17	16	15	14

XR11002	XR11003	XR11003	XR11004	XR8005	TJ-60 11005	XR8006	TJ-60 11006
Yellow	Blue	Red	Brown	Gray			

Always use suggested nozzle tip combinations together (never two different colors)