



110, 150 & 200 Gallon

3-Point Sprayer

Owner's Manual

Covered Features

8 Roller Pump
Hamilton #20 Boomless Nozzles
Hypro BXT Boomless Nozzles
#20 Boomjet
21' or 28' Breakaway Booms
28' or 35' X-Fold Breakaway Booms
(200 Gallon Unit Only)

BEFORE RETURNING THIS PRODUCT FOR ANY REASON, PLEASE CALL

INVERNESS, MS | 800-392-7440
GREENWOOD, MS | 662-886-8550
OLIVE BRANCH, MS | 866-776-8265
HIAWATHA, KS | 877-390-4480
HOPKINSVILLE, KY | 270-887-8550

FOR HELP WITH QUESTIONS OR CONCERNS ABOUT YOUR
BESTWAY AG 3-POINT SPRAYER, PLEASE CALL.

**BEFORE CALLING, PLEASE HAVE SALES RECEIPT
AND MODEL NUMBER ON HAND.**

GENERAL INFORMATION

Thank you for purchasing a Bestway Ag 3-Point Sprayer. This manual will assist you in the use and maintenance of your product. Please keep it in a safe place for future reference.

WARRANTY & SERVICE

All 3-Point Sprayers are under warranty by Bestway Ag for a one-year period based on the purchase date and extends to the original purchaser only.

The warranty covers defects in workmanship, or manufacturer defects in their components. This warranty does not cover any misuse, abuse, or parts that have broken due to freezing. Owners are solely responsible for these issues.

Parts proven defective before the one-year period has expired will be replaced at no charge.

Bestway Ag must be notified immediately of any defects or broken parts on the sprayer before the one-year period expires. Waiting until after this time, whether the sprayer has been ran or not, will void the warranty. No product will be accepted for return without authorization.

All returned goods must be packaged securely and shipped with transportation charges prepaid.

For further information, please contact Bestway Ag.

SAFETY PRECAUTIONS

Before operating your new Bestway Ag 3-Point Sprayer, please take a few minutes to review these important safety reminders. Bestway Ag cannot be held liable for injury to persons or property, up to and including death, as a result of negligence or other improper use of this sprayer.



WARNING



CANCER AND REPRODUCTIVE HARM
www.p65Warnings.ca.gov



WARNING



**DO NOT USE SPRAYER IN AN EXPLOSIVE ENVIRONMENT.
DO NOT USE TO PUMP FLAMMABLE FLUIDS, INCLUDING
GASOLINE, KEROSENE, OIL, ETC.**

- Be aware of all safety guidelines, warnings and cautions, including those for your tractor
- Read and understand chemical labels, warnings and instructions
- Know and comply with all state pesticide licensing requirements
- Familiarize yourself, and other operators, with sprayer components and operation



GENERAL SAFETY

- Do not operate sprayer under the influence of alcohol or drugs
- If your sprayer is equipped with a PTO drive shaft, keep body parts and clothing clear.
- Never step over, or work near, the PTO shaft during operation
- When transporting on public roads, follow state and local regulations

BEFORE OPERATION

- Wear proper Personal Protective Equipment (PPE) to avoid injury from chemical hazards
- Visually inspect sprayer for worn parts, loose bolts or other visible problems
- Never exceed your tractor's load rating
- Make sure area to be sprayed is clear of people or obstructions
- Never wear loose fitting clothing that may catch in moving parts

BEFORE SEASONAL USE

- Test sprayer with water for leaks before using chemicals. Injury could result from leaks
- Inspect for and replace any worn hoses
- Inspect pressure gauge for proper function



OPERATING SAFETY

- Be aware of other people in work area
- Look before moving spraying, or engaging the PTO
- Never leaving running unattended
- Keep hands and body parts clear of all moving parts, especially the PTO
- Be aware of potentially dangerous terrain, such as holes, slopes, banks, drop-offs, rocks, etc
- Always operate tractor up and down slopes and never across
- Do not allow passengers on tractor or sprayer
- Allow proper clearance for spray boom (if your unit is equipped) during turns



CHEMICAL SAFETY

- READ and follow all chemical label instructions
- AVOID inhaling, ingesting or contacting any chemical. **Use of proper PPE is a must**
- KNOW licensing and regulatory requirements
- KNOW proper chemical energy procedures
- EXERCISE caution around children and pets as many chemical are especially toxic to them
- DO NOT MIX or pour chemicals in an enclosed or unvented area
- DO NOT USE flammable materials in the sprayer.
- FLUSH the sprayer with clean water after each use and before switching chemicals
- STORE all pesticides and chemicals properly in a secure location with appropriate labels

PUMP SAFETY PRECAUTIONS

- In addition to flammable materials, never pump corrosive or acidic materials
- For acid fertilizer, teflon roller equipped pumps are recommended
- Never run the pump dry or exceed maximum recommended speed and pressure
- Before pump service, disconnect the power and release pressure. Drain all liquids



FOLLOWING USE

- After use, completely rinse the sprayer and all components to clear chemical residue
- After use, stop the tractor, set the brakes and disengage the PTO shaft, shut off engine and remove ignition key
- Always park sprayer on hard, level surface
- Store sprayer away from human/livestock

OPERATION OF NEW SPRAYER

Your Bestway Ag 3-Point Sprayer is optimized for trouble free spraying and ease-of-use.

To connect your sprayer to your tractor, first back up to the sprayer and let the lift arms all the way down. Your sprayer is quick hitch compatible, so if you are equipped with the system, use it to connect. If you do not have a quick hitch system, insert the lift pins into the lift arms of the tractor and secure with lock pins. You will also hook up the top link on the tractor to the top hole of the frame.

To connect the pump to tractor PTO shaft, pull the orange coupler back while sliding it onto the PTO shaft until the balls lock into the shaft grooves. When pump is secure, wrap chain around the draw-bar and use the snap link to couple chain together and keep pump from twisting hoses when PTO is engaged.

Fill tank at least half full of plain water with no chemicals. Screw the pressure regulator partly out and be sure agitation valve is at least half way open. This ensures you do not overpressure the gauge and break it. Make sure the valve under the tank is open as well.

To test your new sprayer, engage PTO lever and pull throttle to the 540 RPM mark. Open boom (or boomless) valve and adjust to desired operating pressure. Agitation valve may need to be closed down to achieve desired pressure.

BESTWAY AG

MAINTENANCE INSTRUCTIONS

Your Bestway Ag 3-Point Sprayer is engineered to be amongst the most durable, reliable sprayers on the market. By following these routine maintenance procedures, you will ensure your sprayer operates at peak efficiency through its lifetime.

1. Always perform a visual inspection for worn parts, bolt issues, or other visible problems. Make all necessary repairs before beginning spray operations. Contact Bestway Ag to order parts or to seek technical assistance.
2. Run a tank cleaner (tank neutralizer) through the system after each use. If no tank cleaner is available, you may substitute a quality dish soap for this step. Turn the pump on and circulate the solution for 15 minutes and then spray through the nozzles and handgun. Partially re-fill the sprayer with fresh water and repeat the process.
3. The screen on the in-line filter on the suction line should be taken out and rinsed. Do not lose the gasket in the filter bowl as the filter will leak without it.
4. Tip strainers (if applicable) should be also be rinsed after each use. Tip strainers are small screens located behind each spray nozzle.
5. Periodically inspect tank straps and re-torque bolts as necessary

PUMP MAINTENANCE/CARE

By following these procedures, you ensure years of trouble-free pump operation.

1. After each use, flush the pump as directed under the routine maintenance section of this manual
2. If you notice a decrease in pump performance, or leaks, you may need to replace seals and rollers

WINTERIZATION PROCEDURES

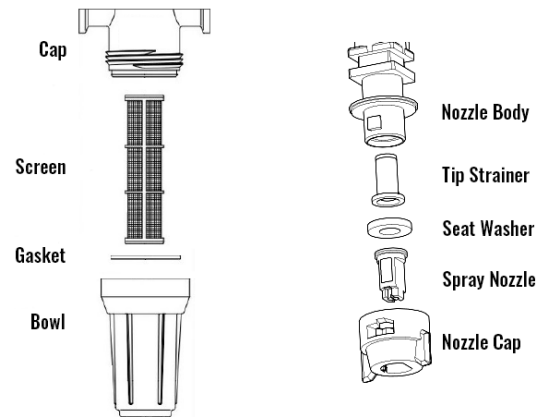
Properly winterizing your sprayer is essential to avoiding damage and ensuring peak performance year after year. The process should be undertaken before freezing conditions. **Failure to follow these procedures can result in catastrophic failure and will void the manufacturer's warranty.**

1. Empty the tank and rinse following previously outlined procedure.
2. Pour 1-2 gallons of RV non-toxic antifreeze into the tank. It is essential to use RV antifreeze as engine antifreeze can be toxic
3. Engage the pump and spray with all nozzles, as well as the spray gun. Be sure the antifreeze has been pumped through the entire unit
4. Before spraying for the first time in the spring, flush the sprayer with fresh water to cleanse

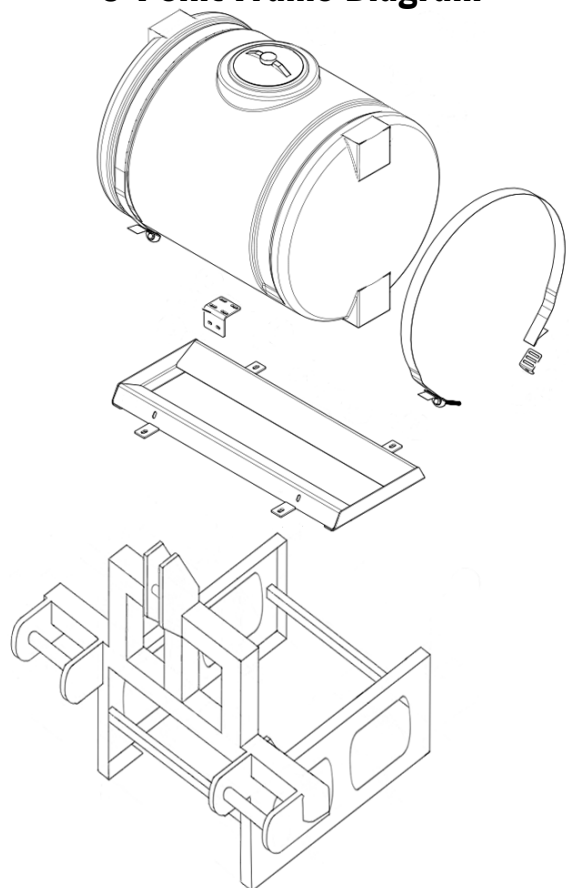
BESTWAY AG

Not the only way...the BESTWAY!

In-Line Filter & Nozzle Diagrams



3-Point Frame Diagram



SPRAYER MODEL IS:

DATE OF PURCHASE:

STANDARD PARTS LIST

NOTE: This list includes parts for base 3P110, 3P150 and 3P200 units only. For assistance with boom/boomless parts, or custom unit parts, please contact Bestway Ag.

TS-110, 150, 200 UNITS	
PART #	DESCRIPTION
WS-3P110-200RK	Frame - 3-Point 110-200 Gallon
PHM110-300	Manual Pressure Head
HG43AL	Hand Gun Assembly
TP110-300	Tank Strainer Assembly
TP110-300AGT	Tank Aggitator Assembly
WS-110CR	110 Gallon Tank Cradle
WS-150CR	150 Gallon Tank Cradle
WS-200CR	200 Gallon Tank Cradle
TA110HY30	110 Gallon Horizontal Poly Tank
TA150HY30	150 Gallon Horizontal Poly Tank
TA200HY32	200 Gallon 32x65 Poly Tank
110-300SK	110-300 Strap Kit, Bands, Buckles
CAT2UPPER	Top Pin, Cat II
CAT2-3LOWER	Bottom Pin, Cat II/III
LP716	801 LP 7/16 Lynch Pin
H038	3/8" AP Hose, 200 PSI,, Black
H034	3/4" AP Hose, 200 PSI, Black
H034PVCB	3/4" PVC Hose, Black
HC5203	3/8" Narrow Hose Clamp
HC5212	3/4" Wide Hose Clamp

TS-110, 150, 200 UNITS	
PART #	DESCRIPTION
B038X112	3/8" x 1-1/2" Hex Bolt
B012X212CB	1/2" x 2-1/2" Carriage Bolt
B038X112CB	3/8" x 1-1/2" Carriage Bolt
B012X112	1/2" x 1-1/2" Hex Bolt
FW38	3/8" Flat Washer
LW38	3/8" Lock Washer
LN38	3/8" Center Locknut - Nylon
UB-5/16X11/2X21/4RD	U-Bolt
FW516	5/16" Flat Washer
LM516	5/16" Lock Nut
LN12	1/2" Nylon Lock Nut
3NTL12	NTL 12, 1/2" HB x 11/16" MPS
GHW	Garden Hose Washer
BWDEC-12	12" Bestway Ag Decal

TEEJET 340 SERIES MANUAL SHUTOFF BALL VALVE AA(B)344M-NYB

- Maximum pressure of 300 PSI (20 bar)
- Quarter turn of handle from shutoff to full flow



TEEJET MODEL 23120 MANUAL PRESSURE VALVE

Adjustable to maintain control of line pressure at any pressure within the valve's operating range. Selected pressure setting firmly held in place by locknut. Extra large valve passage to handle large flows.



TEEJET 530 MANUAL VALVE/MANIFOLD SPECIFICATIONS



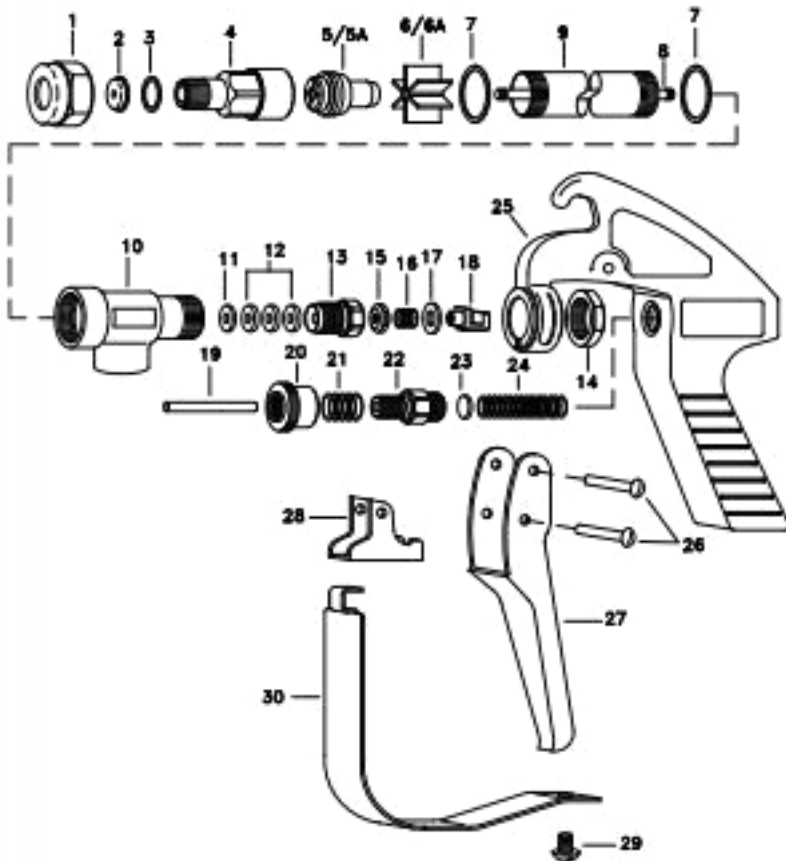
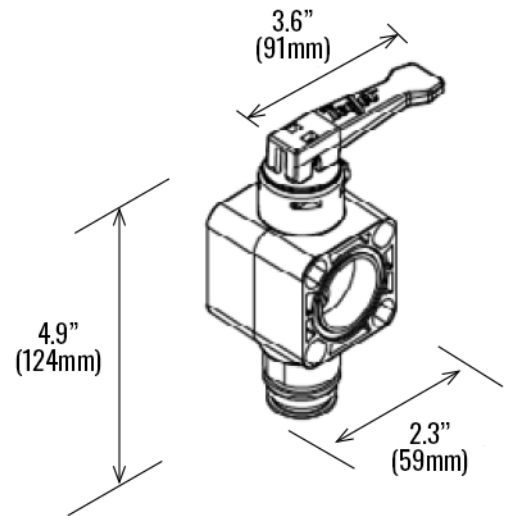
TEEJET 530 VALVE SPECS

- 10 GPM Flow capacity at 5 PSI (0.34 bar) pressure drop
- 14 GPM Flow capacity at 10 PSI (0.68 bar) pressure drop
- 290 PSI (20 bar) pressure rating for large quick connect, threaded and 50-series flanged connection, 215 PSI (15 bar) for 75-series flanged connections
- Nylon, polypropylene and stainless steel construction ensures durability

Bestway Ag makes use of TeeJet 530 manifolds/valves in the construction of our trailer sprayers.

The use of this modern valve system allows for not only a cleaner overall appearance, but increased user functionality and efficiency.

Boom sections, or boomless nozzles, can easily be controlled independent of each other.



TEEJET AA43 GUNJET PARTS

See facing page for complete parts list

AA43L - Brass, complete- 200 PSI

AA43L-AL - Aluminum, complete - 200 PSI

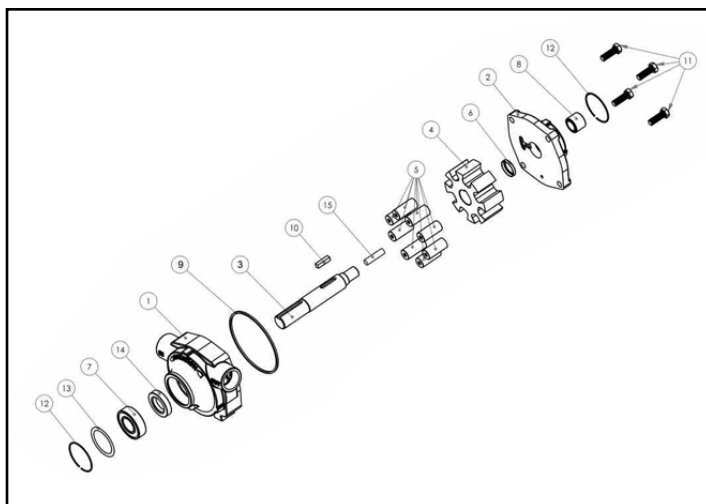
AA43H - Brass complete - 200 to 800 PSI

AA43H-AL -Aluminum, complete - 200 to 800 PSI

PK-AB43-KIT Spare parts kit (includes all items marked with *)

PK-AB43-AL-KIT Spare parts kit (includes all items marked with *)

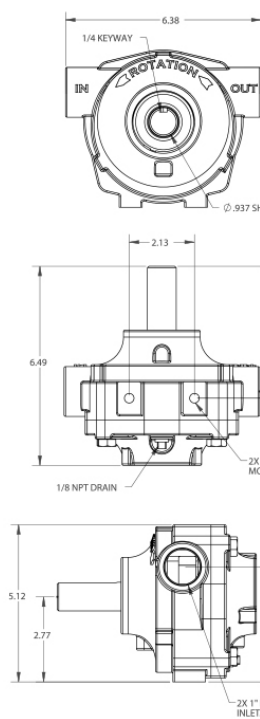
ITEM #	PART #		DESCRIPTION
	BRASS	ALUMINUM	
1	CP1325	CP1325-AL	Cap, brass or aluminum
2	D-**	D-**	Orifice disc, hardened stainless steel
3*	CP4743-NY	CP4743-NY	Gasket, Nylon
4	CP10566	CP10566-AL	Nozzle housing, brass or aluminum
5*	10565-1-NY	10565-1-NY-AL	Seat plug, seat plate, washer & core sub-assembly
5A	10565	10565-AL	Seat plug, seat plate, washer & core sub-assembly (special order)
6	CP10571-2-NYB	CP10571-2-NYB	Guide vane, nylon
7	CP45195-NYB	CP45195-NYB	Gasket, nylon (black) two required
8	CP19238-416SS	CP19238-416SS	Stem, type 416 stainless steel
9	CP6604	CP6604-AL	Tubing, brass or aluminum
10	CP6492	CP6492-AL	Inlet body, brass or aluminum
11*	CP6601-302SS	CP6601-302SS	Packing washer, type 302 stainless steel
12*	CP6602-LEA	CP6602-LEA	Packing, leather (three required) standard
	CP6602-TEF	CP6602-TEF	Packing, teflon (three required) optional
13	CP19237	CP19237-AL	Packing screw brass or aluminum
14	CP6599	CP6599-NP	Locknut, brass, nickel plated
15	CP9641-INP	CP9641-INP	Stem nut, steel, nickel plated
16	CP6595-SS	CP6595-SS	Trigger stop spring, stainless steel
17	CP7991-SS	CP7991-SS	Washer, stainless steel
18	CP6597-INP	CP6597-INP	Trigger guide, steel, nickel plated
19	CP6591-SS	CP6591-SS	Spring stud, stainless steel
20	CP6589-IZP	CP-6589-IZP	Stop adjustment nut, steel, zinc plated
21	CP6594-SS	CP6594-SS	Spring for stop adjustment nut, stainless steel
22	CP6588-IZP	CP6588-IZP	Spring screw, steel, zinc plated
23	CP6592-302SS	CP6592-302SS	Spring guide washer, type 302 stainless steel
24	CP6593-1-SS	CP6593-1-SS	Main spring, stainless steel (for Model #43L-)
	CP6593-2-SS	CP6593-2-SS	Main spring, stainless steel (for Model #43H-)
25	CP14477-1-AL	CP14477-1-AL	GunJet Body, aluminum
26	CP7623-IZP	CP7623-IZP	Rivet, steel, zinc plated (two required)
27	CP6509-INP	CP6509-INP	Trigger, steel, nickel plated
28	CP6510-INP	CP6510-INP	Trigger stop, steel, nickel plated
29	CP11757-SS	CP11757-SS	Screw, stainless steel
30	CP13798-INP	CP13798-INP	Trigger guard, steel, nickel plated



DELAVAN 8900 SERIES ROLLER PUMP PARTS LIST

Ref #	Part #	Description	QTY
1	33801	Body - 8900C	1
	33804	Body - 8900-R	
	33805	Body-8900DSS	
	33806	Body-8900DSS-R	
2	34804	End Plate - 8900C	1
	34805	End Plate - 8900-R	
	34820	End Plate - 8900DSS	
	34825	End Plate - 8900DSS-R	
3	31810	Shaft	1
4	36851	8-Roller Rotor Overmold	1
5	35801	Ultra Roller 3/4" Diameter	8
6	37801	Shaft Seal	1
7	16228	Ball Bearing	1
8	38801	Needle Bearing	1
9	24829	Seal Ring	1
10	31811	Pill Key, Shaft	1
11	15341	Hex Head - All 'C' Models	4
	40802	Hex Head - All 'DSS' Models	
12	15334	Snap Ring	2
13	-	Name Plate	1
14	47927	Lip Seal	1
15	38802	Needle Bearing, Inner Ring	1

ROLLER PUMP SPECIFICATIONS



TYPE: 8 Roller
 MATERIAL: Cast Iron
 FLOW RATE: 24 GPM
 MAX PRESSURE: 300 PSI
 MAX REC. TEMP: 140° F
 ROLLERS: 3/4" Ultra
 BEARINGS: Permanently lubricated, heavy-duty sealed
 PORT SIZE: 1" FNPT
 PTO: Use torque bar and chain
 SHAFT: 15/16" Solid shaft
 SHAFT SEALS: Viton cartridge type lip seals
 WEIGHT: 14 lbs

PSI	540 RPM	850 RPM	1000 RPM
0	13.0	20.2	24.0
20	12.4	19.8	23.2
40	11.6	19.1	22.4
100	10.6	18.6	21.8
200	8.9	15.7	18.0
300	7.0	14.0	17.1

ROLLER PUMP REPAIR KIT

PART # RK-8900 Complete kit of all parts for repair of all 8-RollerPRO Pump models. Kit includes:

PART #	DESCRIPTION	QTY/KIT
35801	Ultra Rollers - 3/4" Diameter	8
37801	Shaft Seal	1
47927	Lip Seal	1
24829	Seal Ring	1
31811	Pill Key, Shaft	1
38801	Needle Bearing	1



HAMILTON NOZZLE - CALIBRATING YOUR SPRAYER



To determine pressure & Gallons Per Acre (GPA) with a Hamilton nozzle, use the following formula:

$$\text{GPA} = \frac{495 \times \text{GPM}}{\text{MPH} \times \text{Swath In Feet}}$$

Bestway Ag Trailer Sprayers w/Hamilton nozzles are supplied with #20

EXAMPLE:
$$\frac{495 (\text{constant}) \times 6.7 \text{ GPM}}{4 \text{ MPH} \times 56'} = \frac{3316.5}{224} = 14.805 \text{ GPA}$$

For your convenience, please reference the following chart for all pertinent data, including GPA

OPERATING DATA FOR 180° NOZZLES								
ORIFICE NUMBER		GPM	SWATH	GALLON PER ACRE				
	PSI	180°	180°	3 mph	4 mph	5 mph	8 mph	10 mph
#5	30	1.7	44'	6.4	4.8	3.8	2.4	1.9
	40	2.0	46'	7.2	5.4	4.3	2.7	2.2
	50	2.2	48'	7.6	5.7	4.5	2.9	2.3
	60	2.4	50'	7.9	5.9	4.8	3.0	2.4
#10	30	3.7	50'	12.2	9.2	7.3	4.6	3.7
	40	4.2	50'	13.9	10.4	8.3	5.2	4.2
	50	4.6	52'	14.6	10.9	8.8	5.5	4.4
	60	5.0	52'	15.8	11.9	9.5	5.9	4.8
#20	30	5.1	54'	15.6	11.6	9.3	5.8	4.7
	40	5.9	54'	18.0	13.5	10.8	6.8	5.4
	50	6.7	56'	19.7	14.8	11.8	7.4	5.9
	60	7.1	58'	20.2	15.1	12.1	7.6	6.1

GPM = Gallons Per Minute

GPA = Gallons Per Acre

MPH = Miles Per Hour

PSI = Pressure Per Square Inch

BOOMJET 5880 - CALIBRATING YOUR SPRAYER



To determine pressure & Gallons Per Acre (GPA) with a BoomJet 5880, use the following formula:

$$\text{GPA} = \frac{495 \times \text{GPM}}{\text{MPH} \times \text{Swath In Feet}}$$

Bestway Ag Trailer Sprayers w/BoomJet are supplied with #20 nozzle

EXAMPLE:
$$\frac{495 (\text{constant}) \times 6.08 \text{ GPM}}{4 \text{ MPH} \times 47'} = \frac{3009.6}{188} = 16.008 \text{ GPA}$$

For your convenience, please reference the following chart for all pertinent data, including GPA

OPERATING DATA FOR BOOMJET 5880								
MODEL	PSI	GPM	SWATH	GALLON PER ACRE				
				4 mph	5 mph	7.5 mph	10 mph	15 mph
5880-3/4-2TOC10	20	2.83	39.5	8.9	7.1	4.7	3.5	2.4
	30	1.46	40	10.7	8.6	5.7	4.3	2.9
	40	4.00	40.5	12.2	9.8	6.5	4.9	3.3
5880-3/4-2TOC20	20	6.08	47	16.0	12.8	8.5	6.4	4.3
	30	7.45	50	18.4	14.8	9.8	7.4	4.9
	40	8.60	52	20	16.4	10.9	8.2	5.5

GPM = Gallons Per Minute

GPA = Gallons Per Acre

MPH = Miles Per Hour

PSI = Pressure Per Square Inch

HYPRO BOOM EXTENDER TIPS - CALIBRATING YOUR SPRAYER



Bestway Ag Trailer Sprayers w/BXT are supplied with XT024 tips.

$$\text{GPA} = \frac{495 \times \text{GPM}}{\text{MPH} \times \text{Swath In Feet}}$$

GPM = Gallons Per Minute

GPA = Gallons Per Acre

MPH = Miles Per Hour

PSI = Pressure Per Square Inch

BROADCAST & TURF APPLICATIONS				GALLONS PER ACRE (AT SWATH SHOWN)								SWATH (FT) @ 40PSI 48" HIGH
THREAD	MODEL	PSI	GPM	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	
1/4" MNPT	XT010	30	0.9	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	13
		40	1.0	9.9	7.9	6.6	5.0	4.0	3.3	2.6	2.0	
		50	1.1	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	
		60	1.2	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	
1/4" MNPT	XT020	30	1.7	13.6	10.9	9.0	6.8	5.4	4.5	3.6	2.7	15
		40	2.0	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	
		50	2.2	17.6	14.1	11.7	8.8	7.0	5.9	4.7	3.5	
		60	2.4	19.2	15.3	12.8	9.6	7.7	6.4	5.1	3.8	
1/4" MNPT	XT024	30	2.1	16.2	13.0	10.8	8.1	6.5	5.4	4.3	3.2	16
		40	2.4	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	
		50	2.7	20.9	16.7	13.9	10.4	8.4	7.0	5.6	4.2	
		60	2.9	22.4	17.9	15.0	11.2	9.0	7.5	6.0	4.5	
3/8" MNPT	XT043	30	3.7	31.6	25.3	21.1	15.8	12.6	10.5	8.4	6.3	14
		40	4.3	36.7	29.4	24.5	18.3	14.7	12.2	9.8	7.3	
		50	4.8	41.0	32.8	27.3	20.5	16.4	13.7	10.9	8.2	
		60	5.3	45.2	36.2	30.2	22.6	18.1	15.1	12.1	9.0	

TEEJET SPRAY TIP CALIBRATION FOR SIX AND EIGHT ROW BOOMS



FORMULA:
$$\text{GPM} = \frac{\text{GPA} \times \text{MPH} \times \text{NOZZLE SPACING}}{5940}$$

EXAMPLE:
$$\frac{20\text{gpa} \times 4\text{mph} \times 20''}{5940} = \frac{1600}{5940} = .27 \text{ GPM}$$

Take the GPM calculated & look down the chart below to figure what pressure you need to run at that speed.

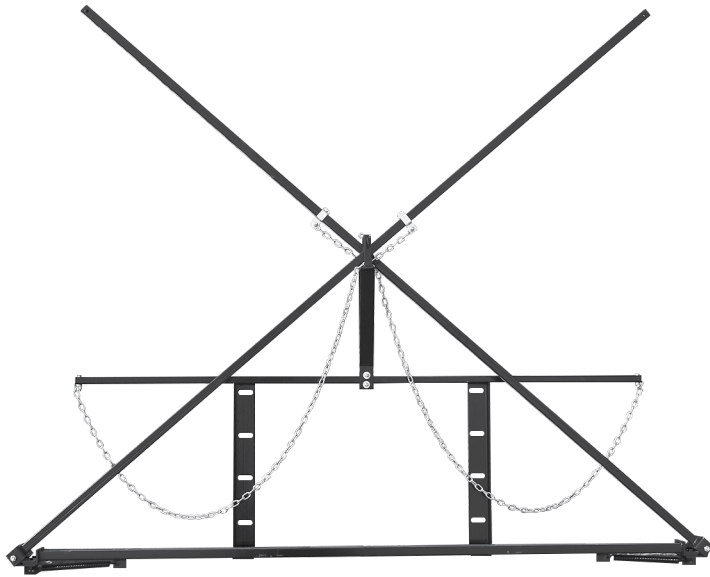
Standard boom comes with 8003VP poly tips

MODEL	PSI	GPM	GALLONS PER ACRE w/20" SPACING											
			4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
(DG, TJ60, TP, XR) 8002 (AI, DG, TJ60, TP, TT, XR) 11002 1/4TTJ02	15	0.12	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.0	2.5	2.2	2.0	1.8
	20	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6	3.3
	60	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0	3.6
(DG, TJ60, TP, XR) 8003 (AI, DG, TJ60, TP, TT, XR) 11003 AIUB8503	15	0.18	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.5	3.8	3.3	3.0	2.7
	20	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5	3.1
	30	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3	3.9
	40	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6	5.0
	60	0.37	27	22	18.3	15.7	13.7	12.2	11.0	9.2	7.8	6.9	6.1	5.5
(DG, TJ60, TP, XR) 8004 (AI, DG, TJ60, TP, TT, XR) 11004 AIUB8504 1/4TTJ04	15	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0	3.6
	20	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	30	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	40	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4	6.7
	60	0.49	36	29	24	21	18.2	16.2	14.6	12.1	10.4	9.1	8.1	7.3

NOTE: If spraying liquid nitrogen you will need to multiply the conversion factor with the GPA. MPH and nozzle spacing.

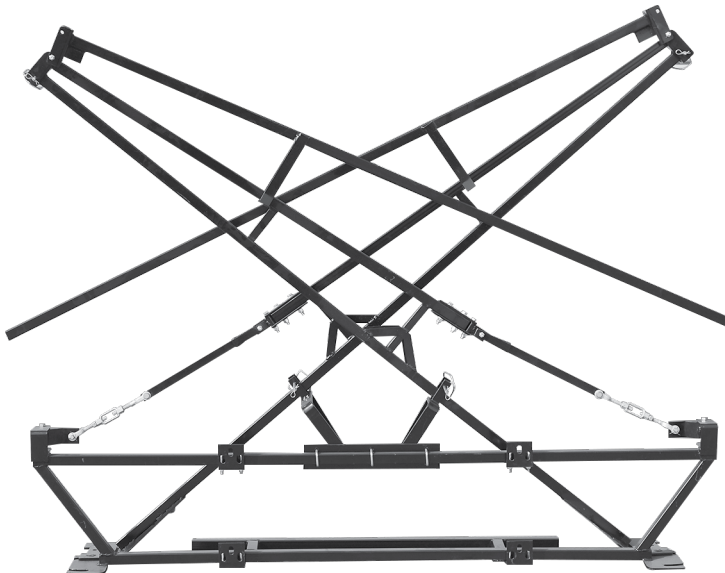
Conversion Factor: 28% Nitrogen - 10.65 pounds per gallon - 1.13
32% Nitrogen - 11.00 pounds per gallon - 1.15

$$\frac{20\text{gpa} \times 4\text{mph} \times 20'' \times 1.13}{5940} = \frac{1808}{5940} = .31\text{GPM}$$



21' and 28' Booms

- Powder Coated Steel Frame
- 21' or 28' Breakaway Folding Booms
- Diaphragm Quickjet Nozzle Bodies



28' and 35' X-Fold Booms

(Only available on 200, 300 Gallon models)

- Powder Coated Steel Frame
- 28' or 35' Breakaway X-Fold Booms
- Diaphragm Quickjet Nozzle Bodies

TROUBLESHOOTING GUIDE

PROBLEM

CAUSES & REMEDIES

1. NO PRESSURE

- A. Pump not properly primed.
- B. Strainer clogged. Clean and/or replace.
- C. Pump sucking air or pump has air lock. Check hoses for cracks or holes. Make sure fittings are tight. Centrifugal pump may have air lock. Unscrew 1/8" plug from top until water shoots out.
- D. Suction line sucking together - replace with stiffer hose.
- E. Worn or leaking seals. Replace.

2. PUMPS RUNS, BUT LOW PRESSURE

- A. Suction line and fittings stopped up or hose kinked. Check, all fittings and hose. Clean or replace as necessary.
- B. Worn rollers or impeller. Check and replace as necessary.
- C. Stopped up strainer. Check strainer. Clean and replace if necessary.

3. PUMP PRESSURE IS GOOD, BUT THERE IS LOW OUTPUT THROUGH NOZZLES

- A. Nozzle size may be too small. Check calibration and gallons per acre.
- B. Outlet line too small or blocked. Inspect line. Clean and replace if necessary.
- C. By-pass is open too much. Inspect and close off by-pass a little more.

4. EXCESSIVE VIBRATION OR NOISE

- A. Possible loose coupler or damaged shaft. Check and reconnect/replace if necessary.
- B. Excessive PTO or engine speed. Verify your PTO and engine settings.
- C. Impeller or internal problem. Inspect for issues. Call your Bestway Ag dealer for further info or instructions.

MAINTENANCE LOG

For your convenience, use the maintenance log below to record the date/time and maintenance actions taken for the upkeep of your trailer sprayer. Keeping a detailed log will assist in trouble shooting, should the need arise.

DATE:**ACTION PERFORMED:**[illegible]

BESTWAY AG

Not the only way...the Bestway!

Thank you for your purchase of a Bestway Ag 3-Point Sprayer (110, 150 or 200 gallons).

At Bestway Ag, we take pride in providing you with a quality, durable product that is easy to operate and maintain. We understand down-time in the field is more than an annoyance, it's lost revenue. Our goal is to keep you running longer.

Should you have any questions about your new sprayer, our team is standing by to assist with any questions you may have.

Welcome to the Bestway Ag family.

Inverness, Mississippi
800 Moore Street
800-392-7440

Greenwood, Mississippi
104 Eastman
800-392-7440

Olive Branch, Mississippi
8971 Yahweh Drive
866-766-8265

Hiawatha, Kansas
2021 Iowa Street
877-390-4480

Hopkinsville, Kentucky
1100 New Industry Lane
270-887-8550