

Date: February 1, 2010
Bulletin Number: SC10-001PMB

Subject: SpraCoupe Competitive Quick Reference

Summary: Comparative analysis of self-propelled sprayers of less than 800 gallon capacity.

Distribution: All Dealers



SpraCoupe Competitive Quick Reference:

AGCO continues to provide durable, dependable and professional-grade equipment, as well as an excellent value in the SpraCoupe series of self-propelled sprayers. In the following pages you will find a side-by-side comparison with product information and specifications as published by the manufacturers of self-propelled sprayers in the less than 800-gallon product category. The intent of this bulletin is to provide you with a convenient reference when selling against competing products.



2010 Competitive Quick Reference
Spracoupe VS Apache & John Deere

(Self-Propelled Sprayers of less than 800 Gallon Product Capacity)

<i>Revision Date:</i> January 28, 2010	Spracoupe 4460/4660	Spracoupe 7460/7660	Apache AS715**	John Deere 4630**
Engine	125HP Perkins 1104D-4.4L	174HP Perkins 1106D-6.6L	160HP Cummins	165HP John Deere Power Tech-6.8L
Transmission	Automatic: Allison 2100 RDS, 5-Speed or; Manual: BorgWarner T-5, 5-speed	Powershift: Caterpillar PG115 6 speeds Forward, 2 Reverse, torque converted	Powershift: ITL/JCB 4-speed, torque converted	Hydrostatic 4WD Electro Hydraulic 4-speed system (traction control optional)
Drive Train	Mechanical 2WD only	Mechanical 2WD (Front Wheel Assist optional)	Mechanical 2WD only	Separate wheel mo- tors with planetary hubs
Speed Ranges mph (kph)	Automatic: 1st - 4.2 (6.8) 2nd - 7.2(11.6) 3rd - 9.4 (15.1) 4th -13.2(21.2) 5th -18.6(29.9) Manual: 3.9 (6.3) 6.8 (10.9) 10.2(16.4) 13.6(21.9) 18.9(30.4)	1st - 6.4 (10.3) 2nd -10.0 (16.1) 3rd -13.2 (21.2) 4th -18.3 (29.5) 5th -20.8 (33.5) 6th -27.5 (44.3) R1 - 6.4 (10.3) R2 -13.5 (21.7)	1st: 0-5 (8) 2nd: 0-9 (14) 3rd: 0-16 (25) 4th: 0-28 (45)	1st: 0-14 (22) 2nd: 0-17 (27) 3rd: 0-19 (30) 4th: 0-27 (43)
Front Suspension	Center oscillation with independent strut and spring suspension	Independent strut with linear rate suspension springs	Center oscillation with independent hydraulic accumulation	Air bag/shock suspended axles (optional automatic leveling)
Rear Suspension	Trailing leg swing type with coil spring and shock absorber.	Independent "knee action" suspension incorporated into chain case design with pre-charged hydraulic shock suspension	Patented hydraulic load suspension with compensating anti- sway control, self- adjusting for dimi- nishing/increasing load	Air bag/shock suspended axles (optional automatic leveling)
Front Tires	Single Front: 10.00 x 16, 12 ply Wide Front: 9.00 x 24, 8 ply 320/85R24	7460: 12.4 x 28 7660: 320/85R38 380/80R38 540/65R24	12.4 x 28 480/70R34 380/80R38 520/85R38 23.1 x 26R3	320/80R42 380/80R38 420/80R34
Rear Tires	320/85R24 380/85R24 230/95R32	380/90R46 320/90R46 480/80R46 620/70R42	380/90R46 320/90R50 520/85R46 30.5 x 32R3	320/80R42 380/80R38 420/80R34
Crop Clearance in (cm)	<i>(transmission type)</i> Automatic: 4460: 36(91.5) 4460:46(116.8) Manual 38 (96.5) 48(121.9)	7460: 42 (106.7) 7660: 48 (121.9)	31 (78) 40 (101) 48 (121) <i>clearance varies with axle option</i>	<i>narrow axle option:</i> 44 (111.7) <hr/> <i>wide axle option:</i> 50 (127)



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Track Adjustments in (cm)	Manual front, Hydraulic rear adjust: 72 (182.9) Frame: 72-102 (182.9-259.1) 80 (203.2) Frame: 80-120 (203.2-304.8)	Hydraulic adjust std. front and rear: 7460: 71-89 (180-226) 7660: 88-120 (223-305) 120-152 (305-386)	<i>listed by crop clearance</i> 31 inch: 90 (228) fixed 40 inch: 120 (305) fixed, 120-144 (305-365) 48 inch: 88(224) or 90(228) fixed 100-101(254-256), 102-104 (259-264), 105-114 (266-289), 120-144 (305-365)	Manual adjust std. 72-88 (183-224), Hydraulic adjust not available 90-120 (228-305) Hydraulic optional for both front and rear
Fuel Capacity gal (L)	44 (166.6)	65 (246.1)	100 (378.5)	71 (268.8)
Product Tank Capacity gal (L)	Polyethylene: 400 (1,514)	Polyethylene: 725 (2,744) Stainless steel: 660 (2,498)	Polyethylene: 750 (2,840) Stainless steel: 750 (2,840)	Polyethylene: 600 (2,271)
Boom Options ft (m)	<i>side fold</i> 60 (18.3) 80 (24.4) <i>top fold</i> 60/80 (18.3/24.4)	<i>top fold</i> 60/80 (18.3/24.4) 60/90 (18.3/27.4)	<i>top fold</i> 80 (24.4) 90 (27.4)	<i>top fold</i> 60/80 (18.3/24.4)
Product Pump	Hypro 9200 series belt-driven centrifugal pump with electro-magnetic clutch 45 GPM (170.3 LPM) of water out the boom through 8020 flat fan nozzles	Hypro 9303 hydraulically-driven centrifugal pump capable of moving 86.5 GPM (327.4 LPM) of water out the boom through 8020 flat fan nozzles	Hypro 9306S HM1C hydraulically-driven centrifugal pump (high flow optional) Performance as installed not published	Pump information not published Capable of 95 GPM (359.6 LPM) water output through the boom plumbing
Rate Controller	Raven 460	Raven SCS 5000 Raven Viper Pro AGCO Falcon VT	Raven SCS 5000	GreenStar 2 1800 GreenStar 2 2600 <i>by John Deere</i>
Primary Brakes	Left and right power wet disc	Dual caliper dry disk	Self-adjusting internal wet disc	Hydrostatic braking with assistance of foot-activated calipers on the front wheel motors
Parking Brakes	Mechanical application, spring release of primary wet discs	Spring apply, hydraulic release dual caliper dry disc	Spring apply, hydraulic release	Spring-engaged, hydraulic disengaged disc pack



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Ladder Raise/Lower	Rear pivoting manual swing-up ladder	Automatic with parking brake	Automatic with parking brake	Armrest switch to raise and lower; Automatically drops with ignition off or when seat is vacated with hydro handle in park position.
Wheelbase in (cm)	4460: 136.6 (347) 4660: 139.9 (355)	157 (398.8)	31" crop clearance: 162 (411.5) 40" & 48" clearance: 173 (439.4)	147 (373.4)
Width at minimum track setting, booms in transport position in (cm)	Side-fold boom tips: 112 Top-fold boom tips: 108 (274.3)	standard axle: 118 (299.7) 7660 wide axle: 120 (304.8) plus width of one rear tire	144 (366) <i>published as 12 ft</i>	Not published
Length in transport position in (cm)	60 ft (18.3 m) boom: 238 (604.5) 80 ft (24.4 m) boom: 247 (627.4) 60/80 ft (18.3/24.4 m) boom: 347 (881.4)	347 (881.4)	324 (823)	Not published
Height in (cm)	4460: 110 (279.4) 4660: 120 (304.8)	7460: 137 (348) 7660: 145 (368)	144 (366) <i>published as 12 ft</i>	145 (368)
Turning Radius ft (m)	<i>center of rear axle</i> 80 inch (302.2 cm) Frame: 13.8 (4.2)	<i>center of rear axle</i> 7460: 18.5 (5.6) 7660 Std. Axle: 17.9 (5.5) 7660 Wide Axle: 19.2 (5.9)	<i>Reference point not published listed by crop clearance and axle track width configuration</i> 31" fixed: 14.6 (4.5) 40" fixed: 16.8 (5.1) 40" & 48" Adjustable: 17 (5.2)	<i>Reference point not published</i> 16 (4.9)
Dry Weight with poly tank lbs (kg)	4460: 9,856 (4,471) 4660: 9,979 (4,526)	7460: 17,500 (7,938) 7660: 18,000 (8,165)	17,400 (7,893)	17,600 (7,983)
Weight/Power Ratio lbs:hp (kg:kw)	4460: 78.8:1 (47.9:1) 4660: 79.8:1 (48.5:1)	7460: 100.6:1 (61.2:1) 7660: 103.4:1 (62.9:1)	108.8:1 (66.2:1)	106.7:1 (64.2:1)

** Competitive information sourced from OEM sponsored publications