Wing Jet K-Plus Hydro

Trailed pneumatic fertilizer spreader

KONGSKILDE
Moving agriculture ahead

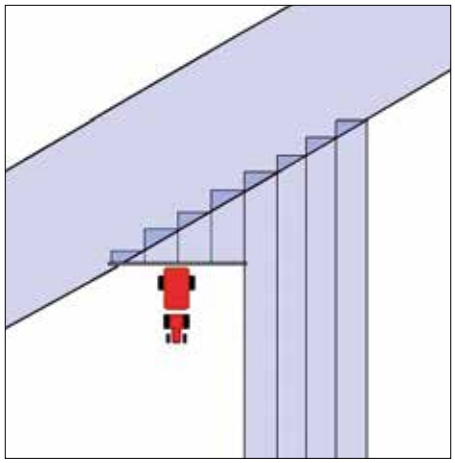
Wing Jet K-Plus Hydro

Kongskilde Wing Jet S 4824 K-Plus Hydro working in tramlines. Full application rate all the way to the edge.

Kongskilde Wing Jet K-Plus Hydro is a new boom spreader with 12, 18, 20 or 24 m working width. The new program incorporates a new hydraulic transmission for the feeding mechanism, controlled by the K-Plus electronic system. The hydraulic drive means very quick corrections of the application rate when fertilizer is spread according to N-sensor or GPS-map. Easy calibration for different fertilizer types, as well as less moving parts is also advantages for trouble free operation with the new system.

Wing Jet K-Plus Hydro has a new hopper with a user friendly cover. A spring loaded roll-tarpaulin controlled from the ladder in front of the hopper, makes refilling quick and easy. The new hopper has a capacity of 4800 liters, or 6000 liters with extension.

Kongskilde Wing Jet is a precision spreader with uniform distribution all along its working width and gives full application rate all the way out to the edge of the field, giving maximum yield in all parts of the field. Minimum wind sensitivity and fixed working width, both independent of the fertilizer used, are important advantages giving both environmental and economic benefits.
Minimum overlap in wedge formed fields is another benefit compared to other spreader types. The boom is divided in four sections with individual shut-off, controlled either manually or automatically by GPS. Communication sets are presently available for Trimble, John Deere GS 2630, Topcon X 30 GPS and for Yara N-Sensor.



Kongskilde Wing Jet K-Plus Hydro can be equipped with GPS-control of the four boom sections for minimum overlap in wedge formed fields.

Easy folding for transport.

The hydraulic motor, powered by the tractor hydraulic system, is precisely controlled from the K-Plus and the proportional valve. The ground speed is recorded from a wheel sensor.

From the K-Plus monitor the operator can control the Wing Jet and receive information and alarms. With connection cables the control of sections on/off, and application rate settings can be taken over by GPS or N-Sensor.

The boom

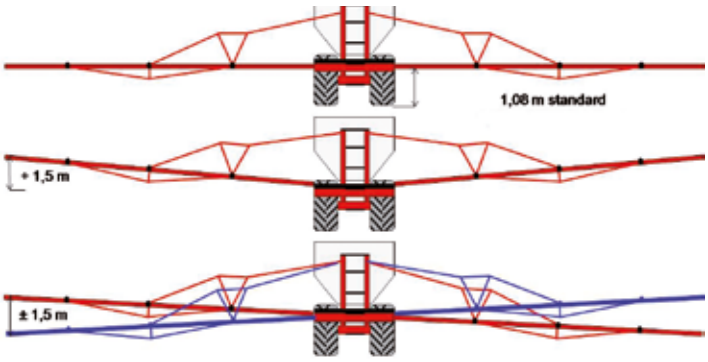
The spring loaded roll-tarpaulin makes refilling quick and easy. The tarpaulin will roll open as the rubber straps are loose. Closing the cover is done by pulling a string and secure with the rubber straps.All this can be done from the ladder in the front.

The 24-metre boom has hydraulically buffered side-wings to reduce the movements of the outer ends when driving in rough conditions. The angle of the side wings can be adjusted hydraulically. When driving in hilly conditions the horizontal-angle of the whole boom can be hydraulically adjusted to better follow the soil surface.

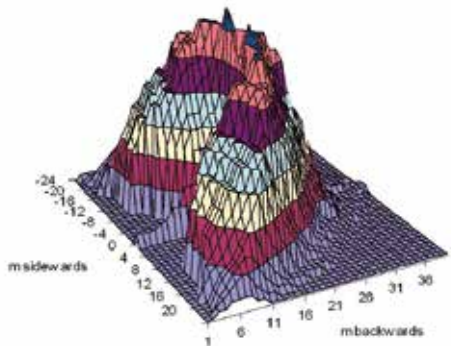
The boom is horizontally suspended by a gas/hydraulic system, and diagonally buffered by double acting brackets with rubber blocks and shock absorbers. The result is a very effective suspension system.

The 20 and 18 metre boom is suspended from a single point, and mechanically buffered by springs and rubber blocks.

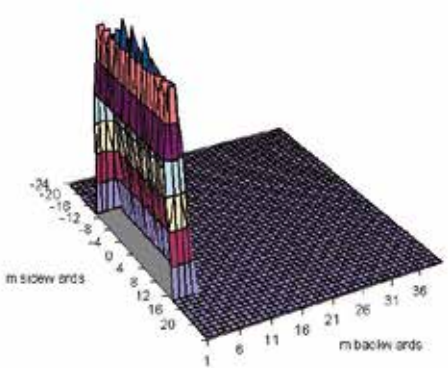
Easy hydraulic boom folding.



With two hydraulic functions the 24-metre boom can be adapted to different field conditions.



Twin disc spreader



Wing Jet

Schematic spreading diagrams for boom spreader and twin disc spreader. The Wing Jet has a distinct working width with limited backward spreading, compared to the double overlapping disc spreader. The Wing jet is therefore less affected by side winds, and with precise start-up and shut-offs.

Technical data

Standard equipment	Optional equipment
• Hydraulic drive of feed mechanism • Hydraulic folding boom • Stainless steel hopper • Screen (stainless painted) • Spring loaded Roll-tarpaulin • PTO 540 rpm • Calibration tray • Weigh bag and scales • Reduction gear • Rear lights • Electric control system K-Plus with: Remote controlled application rate 1/4 width shutoff Hectare counter Hopper level indicator Feed shaft rotation control Fan rotation control • Centrally located lubrication points • Wheel size: 600x26.5	• PTO 700 rpm • PTO 1000 rpm • Stainless-steel hopper extension, 1.200 l • Hydraulic brakes • Pneumatic brakes [1] • Reduction inserts • Mud guards • Wheel scraper set • Task controller for communication with JD GS 2630 and Topcon X 30 • Communication cable R 232 for communication with Trimble and Yara N-Sensor • Cleaning tool for feed rollers • Wheel sizes: 340/85 R38 420/85 R34 [2] 800 x 26.5 800 x 30.5

[1] only available with 600x26,5, 420/85 R34 and 800 x 30.5 tyres

[2] with pneumatic brakes only.

Type		S 4812	S 4818	S 4820	S 4824
Hopper capacity litres	l	4800 (6000[3])	4800 (6000[3])	4800 (6000[3])	4800 (6000[3])
Working width	m	12	18	20	24
No of outlets		20	18	20	20
Filling height (std 26,5 wheels)	m	2,25 (2,5[3])	2,25 (2,5[3])	2,25 (2,5[3])	2,25 (2,5[3])
Filling height (pn. brakes 420/85-34 wheels)	m	2,6 (2,85[3])	2,6 (2,85[3])	2,6 (2,85[3])	2,6 (2,85[3])
Hopper filling area	m x m	2,1 x 2,6	2,1 x 2,6	2,1 x 2,6	2,1 x 2,6
Weight empty	kg	1800	2450	2470	3120
Weight transf. to drawbar	kg	1100 (1500[3])	1100 (1500[3])	1100 (1500[3])	900 (1300[3])
Max load	kg	6000	6000	6000	6000
Length	m	5,8	5,8	5,8	6,2
Transport height (std 26,5 wheels)	m	3,2	3,8	3,8	3,6
Transport height (pn. brakes 420/85-34 wheels)	m	3,5	4,1[4]	4,1[4]	3,9
Min. horsepower requirement	hp	80	90	90	100

[3] with hopper extension

[4] transport height with 600-26,5 = 4,0 meter.

Type of tyres		340/85 R38	420/85 R34[2]	600 x 26.5	800 x 26.5	800 x 30,5
Recommended infl. press. at max load						
4000 kg	kPa (bar)	250 (2,5)	150 (1,5)	100 (1,0)	50 (0,5)	50 (0,5)
6000 kg	kPa (bar)	-	190 (1,9)	130 (1,3)	80 (0,8)	80 (0,8)
Transport width	m	2,4	2,8	2,8	3,0	3,0
Track width	mm	1750 - 2000	1840 - 2040	1700 - 1980	1900 - 2180	1900 - 2180

Kongskilde Agriculture
Tel. +45 61 80 50 00
office@kongskilde.com

www.kongskilde.com

KONGSKILDE
Moving agriculture ahead

101001315 EXP/GB/WING JET K-Plus Hydro/BRO/1017