



4.1 SPRAYER FOR TALL TREES ODW-1 sprayer



GOLDEN CONE
On Forestry Fair Rogów 2005
for ODW-1 sprayer with the GRUB attachment



The **ODW-1 sprayer for tall trees** has been designed for spraying trees but thanks to its construction it can also be used to high range sprayings (horizontally), as well as to traditional field spraying thanks to included components, i.e. field sprayer boom. Spraying takes place thanks to introducing spray liquid into the air flow using traditional nozzles or a diffuser with an atomizer.

Hydraulic control applied allows for a continuous adjustment of the diffuser's pivoting angle from the vertical axis in a range from 10 to 80 degrees. Adjustment can be done during a

work ride. What is more, pivoting of the sprayer's diffuser can be performed automatically in the full range or in a range limited by adjustable limit switches. As a standard, the sprayer is delivered with a bogie axle chassis, as an option a single axle chassis is available. In the case of spraying using the field spraying boom, the farming sprayer should be disassembled from the ODW-1 sprayer and assembled to a three point hitch in a tractor.

TECHNICAL PARAMETERS

Sprayer weight	970 kg	
Dimensions	transport position	work position
Length	2,4 m	2,4 m
Width	1,6 m	2,6 m
Height	3,4 m	2,4 m
Tires	7,50 – 20 8PR	
Wheel track	1,4 m	
Speed	transport	work
	Up to 15 km/h	3 – 10 km/h
Spray reach	vertical	horizontal
	25 m	35 m
Aggregated tractor	min 90 HP	
Attendance	Tractor's operator	

Atomizer

Liquid flow rate	0,2 – 1,2 l/min
Drops' diameter	from 40 to 200 µm

Fan

Revolutions	1800 rpm
Capacity	10,4 m ³ /s
Flow speed	53 m/s
Total pressure	1700 Pa
Fan operating range	9° – 82°