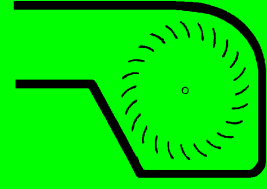


Curtec® - 648D Orchard Sprayer



The **Curtec Air Curtain Sprayer** is a low volume air sprayer that improves coverage and sprays more acres per hour than conventional air blast sprayers. Curtec has seasons of field use in orchards and groves, and on such crops as apples, cherries, peaches and citrus.

The Curtec Sprayer is a unique system that utilizes a **Cross-Flow Fan** and a **Rotary Atomizer**.

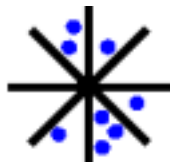
Curtec's **Rotary Atomizers** create a uniform spectrum of small droplets. Small droplets improve the coverage by creating more surface area for a given volume. The atomizer is mounted within the outlet of the cross-flow fan and spins the droplets into the core of the air curtain. There are no orifices or nozzles to become plugged or worn.

The **Cross-Flow Fans** develop a high volume, medium velocity air curtain. This air curtain remains intact and penetrates the foliage more uniformly and efficiently than conventional sprayers. Chemical droplets are laminated within the core of the air curtain which is uniformly directed into the tree where the droplets deposit on both the tops and bottoms of the leaves. Since the spray is driven primarily in a horizontal direction rather than vertical, atmospheric drift is greatly reduced. Volumes sprayed range from 10 to 20 gallons per acre so ground runoff is minimal.

The Curtec Sprayer also utilizes multiple **Peristaltic Pumps** which are linked together to guarantee accurate flow control to each fan. Because there is one pump for each atomizer, precise metering of chemical is assured. Chemical flow to each atomizer can be independently turned off so spray height matches tree height. This reduces costly overspray and drift. Curtec uses hydraulic agitation and the entire chem system operates at less than 20 psi.

The boom on the sprayer folds over the frame for easy transportation.

(For Specifications: see other side of page)



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SPECIFICATIONS

HOOK UP:

1" HITCH PIN
CONTROL CABLE
SAFETY CHAINS

POWER:

CUMMINS 3.9 LITER DIESEL
TURBO CHARGED
120 HP @ 2500 RPM

SAFETY SYSTEM:

MURPHY SWITCH AUTOMATICALLY
SHUTS DOWN ENGINE ON THE
FOLLOWING:

LOW OIL PRESSURE
HIGH ENGINE TEMPERATURE
LOW HYDRAULIC OIL LEVEL
AIR FILTER RESTRICTION
LOW HYDRAULIC PRESSURE

FRAME:

TUBULAR STEEL FOR STRENGTH
AND LONG LIFE

TIRES:

11L - 14 6-PLY (STANDARD)
31-13.50 x 15 FLOTATION (OPTIONAL)

FANS:

CURTEC, 48" CROSS FLOW FANS

CHEMICAL DELIVERY PUMPS:

LEDERBUHR ACCU-STALIC PUMP

AGITATION:

HYDRAULIC AGITATION IS THROUGH A
PACER PUMP SERIES "PC"

FILTERS:

SPRAYING SYSTEMS
SELF CLEANING FILTER

CONTROLS (REMOTE):

MONITOR - HINIKER
POWER
HIGH - LOW ENGINE SPEED
ENGINE START
FANS ON-OFF
MAIN CHEMICAL ON-OFF
RIGHT CHEMICAL ON-OFF
LEFT CHEMICAL ON-OFF
TOP PAIR CHEMICAL ON-OFF
NEXT PAIR CHEMICAL ON-OFF
CHEMICAL RATE UP-DOWN
AGITATION PUMP OFF-AUTO-MANUAL
MAST UP-DOWN
FAN TILT
LIGHTS

CONTROLS (MANUAL):

AGITATION PUMP PRESSURE
SPARGE FLOW
BOTTOM PAIR CHEMICAL ON-OFF
NEXT PAIR CHEMICAL ON-OFF
FILL BASKET FLUSH