



Ground Broadcast Herbicide Applications

UTV Sprayers

Rules of Thumb

- Broadcast applications consist of applying a spray solution uniformly over the entire treated area
- 18-inches above the target plant
- Very successful when:
 - (1) herbicides are applied according to label directions
 - (2) the equipment is operated properly; broadcast applications are very effective for weed control and are safe on non-target plants.

Boom Sprayers

- A spray boom typically consists of several spray nozzles mounted in a row
- Boom sprayers can be used to treat large land areas, roadsides, and agricultural fields and usually have excellent application uniformity
- Boom sprayers are available for tractors, ATVs, trucks, airplanes, or helicopters and can be mounted in combination with gun sprayers
- The primary disadvantage with boom applications is the difficulty in applying herbicide on rough, hilly, or rocky terrain (except for helicopter applications)



Boom Sprayers



At least 3 nozzles,
16 to 20 inches
apart

\$35 to \$90



Flat-fan, 80-degree nozzles
made of brass or steel (8002XR
is a good type)



Rear-mounted booms are
available

Making the Application



Get to know the spray boom

Select a good pressure
Spray on concrete to see how high to hold the boom



Calibrate!



Use flags or dye to keep track of your application



Put a line of flags on each side of the field, spaced as far apart as your spray swath



Make sure the chemical gets mixed in as you fill the tank

Keep the spray solution mixed

Boomless Sprayer

Boomless pasture sprayers are portable spray systems designed for small-area applications such as through a pasture, a hayfield, or on the roadside, where traditional boom spray systems would encounter difficulties

Boomless pasture sprayers come in three-point, self-propelled, or pull-behind configurations

- They feature a durable tank (that can hold between 50-500 gallons of chemical product) and light-duty pump, mounted on a wheeled trailer that can be hitched to your tractor, lawn mower, or ATV

ADVANTAGES OF BOOMLESS SPRAYING

- ✓ Easier to maneuver
- ✓ Less maintenance (time and money)
- ✓ Easy to monitor while spraying
- ✓ Smaller: Easier to store

ADVANTAGES OF SPRAYING WITH A BOOM

- ✓ Less effected by wind
- ✓ More accurate spraying (better coverage)
- ✓ Minimize excessive overlapping

WHEN TO SPRAY BOOMLESS

- ✓ Ditches and rough/uneven ground
- ✓ Around objects like poles, fences etc.
- ✓ Orchards and pastures with trees
- ✓ Overgrown areas
- ✓ Woods/Trails

WHEN TO SPRAY WITH A BOOM

- ✓ Field Spraying
- ✓ When there is a slight breeze
- ✓ Food plot forages
- ✓ Even/level pastures









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