

# SPRING SPRAYER SPRUCE-UP, ANYONE?

Checklist courtesy of Dr. Andrew Landers, Cornell University, NYSAES,  
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## Operator Check Sheet – Boom sprayers

Owner:  
Model:  
Date:

Operator:  
Serial No:  
Hours/mileage:

Make:  
Reg No:

Key:  Checked/Completed     Needs Attention     Adjusted     Not Applicable

### Regularly

#### Mechanical

- Is the attachment to tractor secure?  
working correctly?
- Is the chassis and structure free of cracks and rust?
- Are the wheels and tires in good condition?  
easily?
- Are guards, inc. PTO shaft guard, secure and undamaged?  
legible?

#### Hydraulic system adjustment/stable?

- Are they free from leaks under pressure?
- Are the hoses and connections worn or cracked?

#### Electrical system working properly?

- Is the wiring undamaged & are all connections properly  
pressure?  
insulated?  
readable?
- Do all the lights work properly?  
wash system

#### Pneumatic system

- Is the system free from leaks when working under  
properly?  
operating pressures?

#### Sprayer tank

- Are the tank/chassis fasteners secure?
- Free from leaks?
- Does the lid fit securely and free from leaks?

### Regularly (cont.)

#### Controls and valves

- Are the master on/off switches
- Are left & right section switches functioning?
- Can you read the pressure gauges
- Are all labels appropriate and
- Is the pressure
- Pressure gauge reading zero?

#### Chemical induction system

- Are the system and controls
- Is it free from leaks under
- Are all labels appropriate and
- Is the rinse system and container  
working properly?

#### Tank rinse system

- Is the system functioning

#### Periodical

- Jug test all nozzle outputs
- Date Completed:

Is the contents gauge clearly legible?  
sheet

**Boom**

- Is it properly latched when folded for transport?
- items**
- When unfolded, is it straight and level?
- Does the height adjustment and suspension work properly?
- Does the boom return to level when displaced to left and right?
- Are the break-backs functioning freely?
- Are the mountings and linkages secure and not worn?

**'Spray lines'**

- Are they free from leaks under pressure?  
condition?
- No hoses and connectors worn or cracked?  
orientated?
- Are all valves and filters in good condition?  
properly?

visually correct?

Formally complete and file check

*Independent test due .....*

**Comments/Notes/specific**

**Requiring attention**

**Nozzles**

- Are all fittings and turrets in good
- Are all nozzles correctly
- Are all check valves working
- Is the spray/distribution pattern

*For more information visit Dr. Lander's Pesticide Application Technology web site at:*  
<http://www.aben.cornell.edu/extension/pestapp/index.htm>

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