

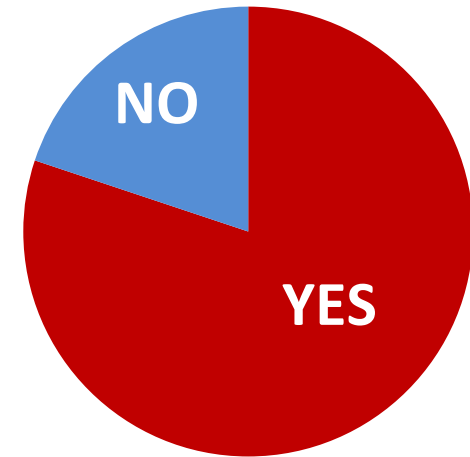


# Preparing your Sprayer for its Annual Test

**1<sup>st</sup> September 2021**

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# Operator Present



- Discuss the test
- Repair faults beforehand
- It's a test not a service

## National Sprayer Testing Scheme - Operator Check Sheet

Owner:	Operator:	Make:
Reg. No.	Hours:	

### Checklist

#### Mechanical

- Guards, incl. PTO guard, secure and undamaged
- Sprayer attached securely
- No excessive structural wear or corrosion
- Wheels and tyres in good condition

#### Sprayer Tank

- Securely fixed in frame
- Free from leaks
- Agitation working
- Tank lid undamaged
- Contents gauge working and legible

#### Nozzles

- Nozzles evenly spaced
- Nozzle body orientation correct
- DCV's working correctly
- Sets of nozzles all the same type & size
- Spray patterns unobstructed

#### Spray Lines

- Hoses and fittings in good condition
- Free from leaks (above normal working pressure)

#### Filters

- Clean and undamaged

#### Boom

- Uniform nozzle height across the boom
- Boom straight fore and aft
- Boom suspension working correctly
- Boom break-backs working correctly
- Check mounting points and linkages for wear
- Nozzles protected if boom hits the ground
- Properly secure when folded for transport

#### Hydraulic and Pneumatic System

- Free from leaks
- Hoses/pipes and connections in good condition

#### Electrical System

- Wiring undamaged and properly insulated
- Lights and indicators working

### Checklist

#### Controls and Valves

- Master switch working correctly
- Boom section controls working correctly
- Pressure gauge working correctly
- All controls and levers/switches labelled correctly
- Pressure stable and adjustable

#### Chemical Induction System

- System and controls working correctly
- Free from leaks
- Operating levers/switches labelled correctly
- Rinse system and container rinse working correctly

#### Tank Rinse/Personal Hygiene

- Tank rinse system filled and working correctly
- Hand wash tank filled and working correctly
- Clothing locker clean and used for purpose

### Periodic Checks

#### Nozzle Output Check (l/min)

Nozzle	Result	Result	Result	Result

#### Forward Speed Check over 100 Metres

Speed..... Km/h    Time..... seconds

Actual Speed (360/time in seconds) .....km/h

$$\frac{\text{Rate (l/ha)} \times \text{Speed (kmh)} \times \text{Nozzle Spacing (m)}}{600}$$

= Nozzle Output ..... l/min

Sign .....

Date .....

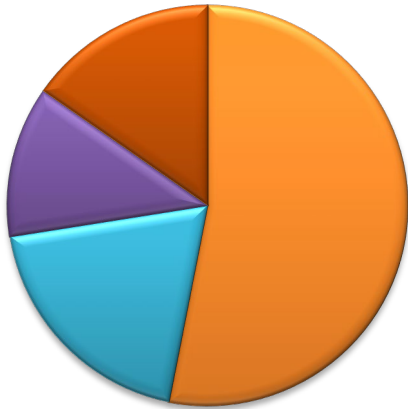
# Operator Check Sheet



## Spray Lines

- Hoses and fittings in good condition
- Free from leaks (above normal working pressure)

# Most Common Faults



TEST ITEM	%
DCV leaks	24.94
Free from leaks – spraying	18.11
Filters	16.32
Free from leaks – static	15.35
Contents gauge	12.92
Hose condition	11.27
Boom straight	8.88
Induction system free from leaks	8.08
Free from leaks - not spraying	7.29
Gauge Accuracy	6.32

# Common Faults





# Common Faults

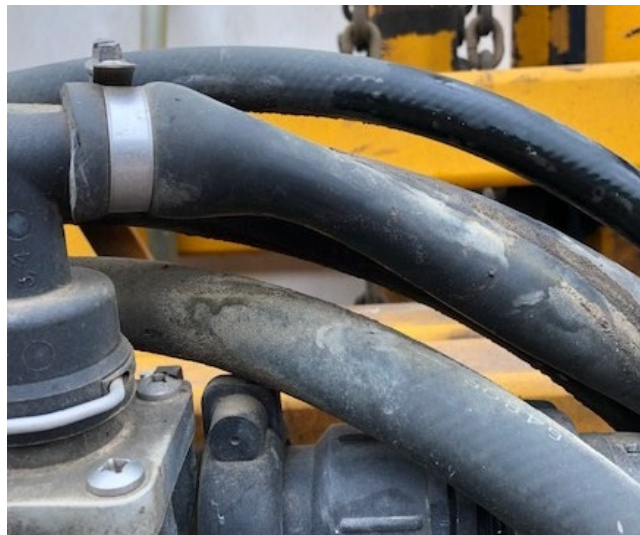


# Common Faults





# Common Faults



# Common Faults





# Most important part of the sprayer?

- One of the most important components on a sprayer
- What he/she does influences everything
- Regular checks during the season
- Preparation





## Any Questions?

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