

PRE- & POST-OPERATIONAL CHECKLIST FOR

# Knapsack chemical herbicide sprayer



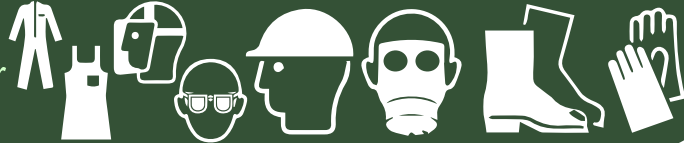
NAME  DATE  SPRAYER No

All the items in the left column must be checked by operators before and after operating equipment.

Indicate whether each item is in a serviceable condition (using a tick) or not (using a cross). If irrelevant, write n/a in the comments section. DO NOT proceed to **function checks** if you find even one defect in **general condition!** Entries in *italics* represent directions for the inspector to follow.

**PERSONAL PROTECTIVE EQUIPMENT REQUIRMENTS**

Apron / overall, goggles / face shielding, waterproof hat, rubber boots, respirator, rubber gloves (**NOT** cotton / leather gloves!), long pants over boots



GENERAL CONDITION	<input type="checkbox"/>	COMMENTS
SPRAYER CLEAN, EMPTY & DEPRESSURISED		
NO OBVIOUS DAMAGE		
LID SEAL & NON-RETURN VALVE PRESENT & IN GOOD CONDITION		
TANK STRAINER CLEAN & IN GOOD CONDITION		
TANK HAS NO CRACKS / HOLES		
STRAPS & FIXING POINTS CLEAN, SECURE AND UNDAMAGED		
HOSES UNDAMAGED & STILL FLEXIBLE		
TRIGGER & LANCE HAVE NO LEAKS / DAMAGE		
FILTERS (IN TRIGGER & BEHIND NOZZLE) CLEAN & IN GOOD CONDITION		
NOZZLE FITTED / ALIGNED CORRECTLY & UNDAMAGED		
PUMP HAS NO LEAKS / DAMAGE		
BATTERY, CHARGER & CIRCUITS IN GOOD CONDITION		

No defects so far? You are clear to perform **functional checks**.

FUNCTION CHECKS	<input type="checkbox"/>	COMMENTS
<i>CHECK PRESSURE RELEASE VALVE TO MAXIMUM. LIMIT</i>		
<b>FILL WITH WATER</b>		
GRADUATIONS ON TANK VISIBLE & ACCURATE		
STRAPS TAKE WEIGHT OF FULL SPRAYER		
FULL SPRAYER STABLE ON FLOOR / BENCH		
SPRAYER HAS NO LEAKS WHEN UPRIGHT / ON ITS SIDE		
<b>PRESSURISE SPRAYER:</b> PUMP WORKS SMOOTHLY		
<b>CHECK FOR LEAKS:</b> NO LEAKS ON HOSES / TRIGGER / LANCE		
<b>SPRAY INTO APPROPRIATE CONTAINER</b>		
ON / OFF MECHANISM & SHUT-OFF VALVE FUNCTIONAL		
ANTI-DRIP / FLOW MANAGEMENT VALVES FUNCTIONAL		
FLOW RATE WITHIN 5% OF STATED OUTPUT		
SPRAY PATTERN UNIFORM		
<b>SPRAY OUT ALL LIQUID UNTIL AIR COMES OUT</b>		
LESS THAN 250ml REMAINS IN TANK		

**Continued overleaf**

PESTICIDE-SPECIFIC CRITERIA	✓✗	COMMENTS
SAFETY, HEALTH & ENVIRONMENT RISK ASSESSMENT CONDUCTED		
CORRECT PPE AVAILABLE & WORN		
STORAGE FACILITIES SECURE		
FILLING & HANDLING AREA POSES NO RISK OF WATER CONTAMINATION		
EMERGENCY PLANS IN PLACE FOR SPILLS / ACCIDENTS		

PREPARATION FOR STORAGE (POST-USE)	✓✗	COMMENTS
SPRAYER EMPTY & DEPRESSURISED		
RINSED WITH DETERGENT		
RINSED TWICE WITH WATER		
EXTERNAL PARTS (INCLUDING STRAPS) CLEAN & DRY		
NOZZLES & FILTERS CLEANED IN MIX OF WATER & DETERGENT SOFT BRUSH		
SPRAYER FLUSHED OUT THROUGH LANCE		
MOVING PARTS APPROPRIATELY LUBRICATED		
STORAGE AREA FROST-FREE & AWAY FROM DIRECT SUNLIGHT		
DISPOSAL PROCEDURE FOR RINSING FOLLOWED		

OPERATOR SIGNATURE	
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DATE
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**Never rush an inspection.  
Remember: your reputation is on the line!**

**Pesticide spraying is a balancing act of removing pests while protecting the environment.**

**Never use damaged or malfunctioning equipment.  
Report all faults to your supervisor.**

**Never use equipment you're not trained to operate  
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www.hretd.co.za for quality in-service training**