



**ECOGUARD**  
ECOGUARD BIOSCIENCES (PTY) LTD

## **TURBODOR 29 MPA SPECIALISED SPRAY EQUIPMENT**

### 100 Mesh Strainer (100 mesh size)

- Acts as a filter / strainer for the volume of herbicide sprayed to prevent debris in the spray-tank from blocking the aperture of the nozzle spray tip.



### 1 Bar yellow pressure regulator

- Functions include: regulating the pressure of the sprayer at 1 BAR ensuring consistent delivery of Turbodor 29 MPA at 1 bar (low pressure). Irrespective of how much the operator pumps the handle on the knapsack, delivered pressure will remain standardized.
- Crucial adaption to ensure consistent low volume delivery of Turbodor 29 MPA
- Keeps the droplet size constant to minimise spray-drift (Higher pressures produces finer droplet sizes, making it more susceptible to drift)
- If the pressure drops to below 1 bar, it will automatically stop spraying.

- The one-way valve will decrease drip and wastage from the lance spray tip. Immediately once you have stopped the spray trigger it will prevent any volume from being released.
- Once the pressure has been pumped enough on the knapsack, your left hand will be free to use.
- There are 2 designs of the 1 Bar pressure regulator – one being the old design (yellow model) and the other a new design (black with a yellow cap).



(Old design)

OR



(New design)

#### XR Teejet Flat fan nozzle 80015 VS

- This nozzle produces the best droplet size at 1 bar for effective product delivery with minimal spray-drift.
- This nozzle delivers approximately 6ml of Turbodor for every 1 second pull of the trigger.
- The flat fan can be used in various types of application including:
  - a) Full-cover Foliar (for cacti species)
  - b) Cut Stump
  - c) Single-stem Basal Treatment
  - d) Multi-stem Basal Treatment
- For single stem basal application have the nozzle spraying vertically onto the stem. Ensure application of Turbodor to the full circumference of the stem and from the recommended height down to and including the root-crown.
- For multiple-stem basal application turn the nozzle horizontally to cover all stems from the sides. Also, easy to spray in-between multi stems to cover the root crown. Ensure application of Turbodor to the full circumference of all stems and from the recommended height down to and including the root-crown.
- For cut-stump application: spray the full circumference of the stump including the exposed surface of the cambium, down to and including the root crown.

- Depending on the diameter of the stem or stump, the spraying distance from the target can be easily adapted to ensure optimum coverage with minimal wastage.
- Stainless steel insert ensures longevity of spray nozzle.



#### Extended lances

- For plants with thorns or hard to reach basal areas, there are longer lances available in 1m and 1,5m lengths.
- It is light weight, easy to use and can penetrate through brush, thorns and other obstacles to reach the base of the stem for applying Turbodor 29 MPA
- Prevents operator fatigue (less bending) and lessens injuries by thorns and branches.



## Spraying kit

1. Consists of the strainer, 1 bar pressure regulator (old design) and the 80° XR flat fan nozzle.



OR

2. Includes a strainer, black and yellow 1 bar pressure regulator (new design), and 80° XR flat fan nozzle.



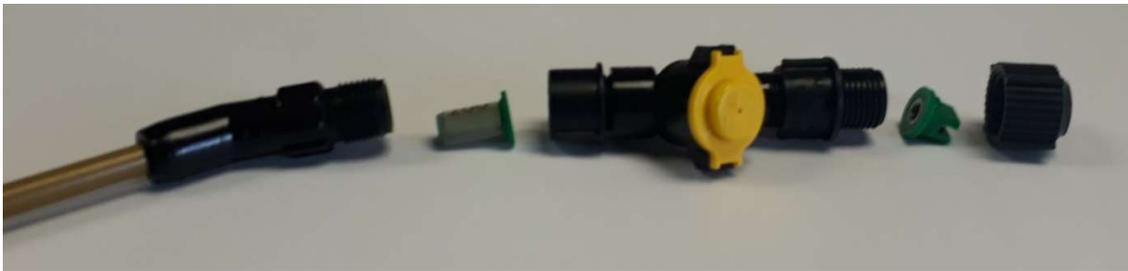
Fitting of the spray kit onto the spray lance:

1. The Strainer fits into the elbow of the lance.
2. Screw the pressure regulator onto the lance, after the strainer.
3. The nozzle fits into the nozzle cap and attach it to the front of the pressure regulator (ensure the rubber washer is in place to prevent leakage).



(Old design)

OR



(New design)

End result of assembled spray-kit:



OR



To learn more about spray equipment and precision spray application methods watch our videos on [www.Ecoguard.co.za](http://www.Ecoguard.co.za)