



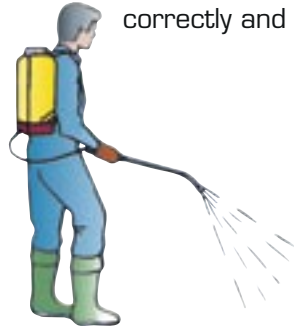
Calibration of hand operated sprayers

To ensure precise and safe applications in the field, effective calibration is essential. Calibration must always be done with clean water and before the use of any crop protection product. Follow this guide to calibrate your hand sprayer.

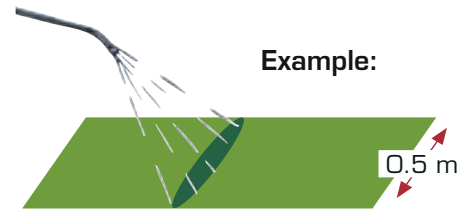
1 Add clean water, to the **clean** sprayer.



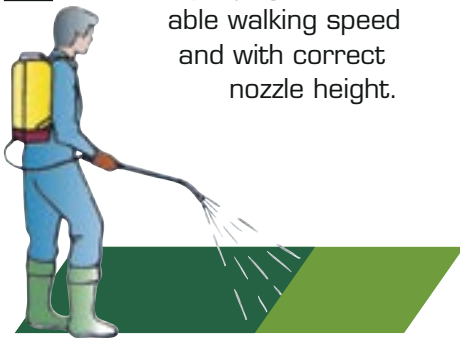
2 Check that sprayer operates correctly and safely.



3 Use correct nozzle height and measure swath width.



4 Practise spraying at comfortable walking speed and with correct nozzle height.



5 Fill up with clean water.



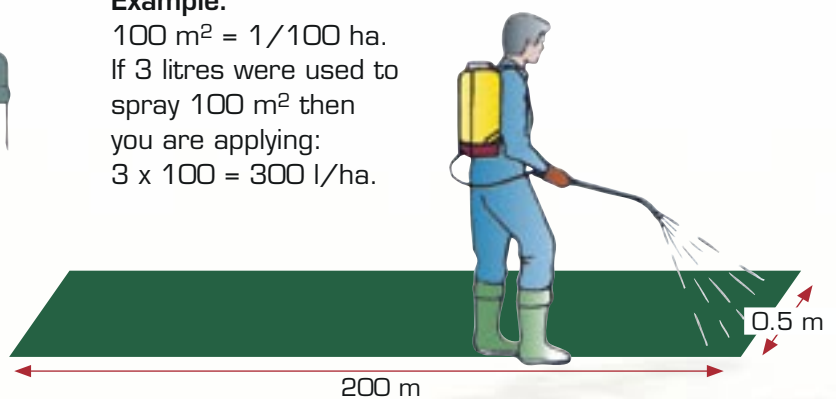
6 Spray 100 m² (100 square metres).

| Swath width m | Spraying distance m |
|---------------|---------------------|
| 0.5 | 200 |
| 0.7 | 143 |
| 1.0 | 100 |
| 1.2 | 83 |
| 1.5 | 67 |

7 To find application rate (litres/ha), multiply the amount of spray missing in the tank by 100. (Measure when refilling).



Example:
 100 m² = 1/100 ha.
 If 3 litres were used to spray 100 m² then you are applying:
 3 x 100 = 300 l/ha.



HARDI KALIBOTTLE

As a quick and easy alternative to the above method, you can use the HARDI KALIBOTTLE to calibrate your sprayer. Instructions for use are printed on the bottle and the order No. is: 390638 (10 pcs: 893212)





Nozzles for hand operated sprayers

HC - Hollow cone nozzle - SYNTAL



- Very wide spray angle
- One piece construction
- SYNTAL



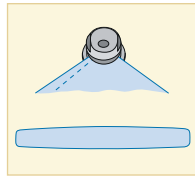
This nozzle is designed for knapsack sprayers. The restrictor and the nozzles are clicked together to avoid losing parts when taken apart for cleaning.

| | Yellow | Red | Brown | Grey |
|-----|--------|--------|--------|--------|
| bar | l/min | | | |
| 1.0 | 0.46 | 0.81 | 1.04 | 1.39 |
| 1.5 | 0.57 | 0.99 | 1.27 | 1.70 |
| 2.0 | 0.65 | 1.14 | 1.47 | 1.96 |
| 2.5 | 0.73 | 1.28 | 1.64 | 2.19 |
| 3.0 | 0.80 | 1.40 | 1.80 | 2.40 |
| 4.0 | 0.92 | 1.62 | 2.08 | 2.77 |
| no. | 371694 | 371682 | 371695 | 371696 |

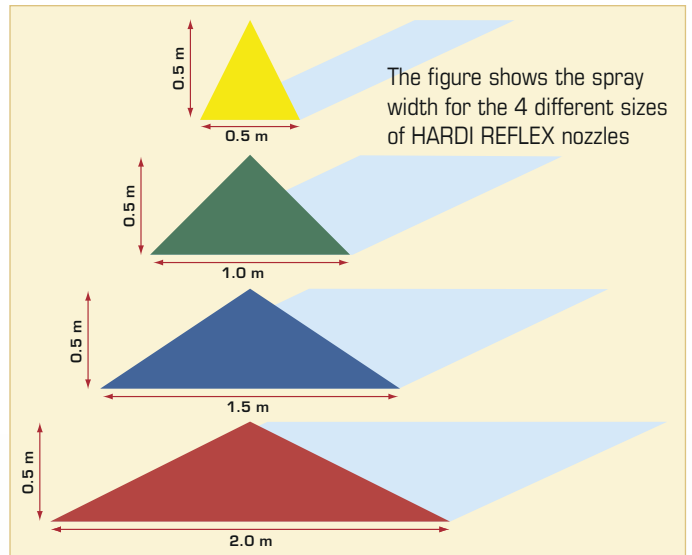
HARDI REFLEX nozzle - SYNTAL



- Spray width from 0.5 to 2 m
- Even distribution across the swath
- 200 l/ha at 1 bar



These nozzles are designed so the application volume is the same for all sizes at 1 bar and a normal walking speed (1 m/s), only the spray width changes.

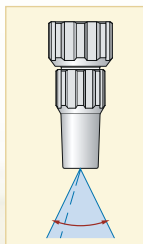


| | Yellow | Green | Blue | Red |
|-----|--------|--------|--------|--------|
| bar | l/min | | | |
| 1.0 | 0.60 | 1.20 | 1.80 | 2.40 |
| no. | 372020 | 372021 | 372022 | 372023 |

Adjustable nozzle - SYNTAL



- Adjustable by turning the tip
- From solid stream to hollow cone
- Available with M18 thread



These nozzles can be used on knapsack sprayers or spray guns, where you want to change the characteristics of the spray cone and the demands for precision is less important.

| No. 755835 | | |
|------------|-------|-------------|
| bar | l/min | Spray angle |
| 1.5 | 0,69 | 80° |
| 2.0 | 0,71 | 85° |
| 3.0 | 0,88 | 90° |
| 4.0 | 0,95 | 90° |
| 5.0 | 1,10 | 95° |