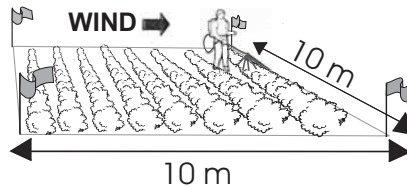


Calibration of LK Sprayers

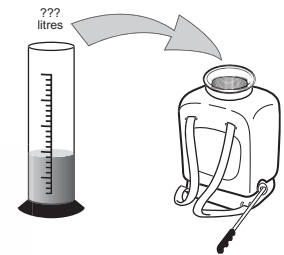
1 Put the sprayer on level ground and fill with clean water to a clearly marked level - for example to the bottom of the filter.



2 Mark out a square of crop measuring 10 large paces by 10 large paces. This will be about 100m² (one hundredth of a hectare). Spray the square of crop with water as if you were spraying pesticide.

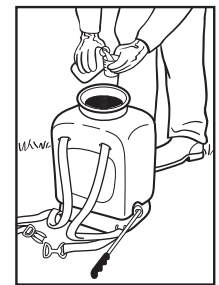


3 Put the sprayer back on level ground and measure the volume of water required to refill the sprayer to the clearly marked level. This gives the volume of water applied to one hundredth of a hectare.

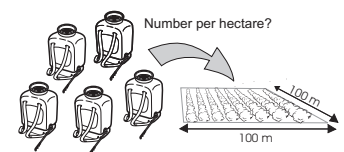


4 Multiply this figure by 100 to give the volume of spray applied to one hectare - the Volume Rate. It should be between 150 l/ha for very small crops such as young vegetables, and 300 l/ha for big crops such as mature coffee. If the Volume Rate is too high, use a smaller nozzle or walk faster during spraying.

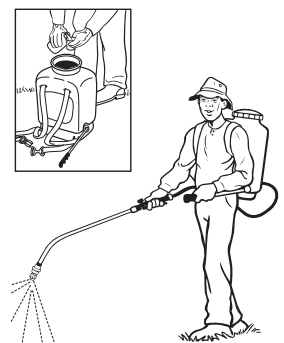
5 Add the label-recommended amount of pesticide (or sachet contents) to the water in the sprayer, put on the tank lid, shake well and you are ready to spray. If the label does not provide a tank dose, but instead gives an amount of product to add to each hectare (product rate), go to step 6.



6 Divide the Volume Rate by the volume of your sprayer tank to give the number of times it must be refilled to spray one hectare. For example if the volume rate is 300 l/ha and the sprayer tank volume is 15 litres, the sprayer must be refilled $300/15 = 20$ times.



7 Divide the recommended volume of product per hectare (the Product Rate) by the number of sprayer tank fills used per hectare. This gives the volume of product to add to the sprayer each time it is filled. For example, if the Product Rate is 2 litres and you use 20 sprayer tanks per hectare, the volume of product to add each time the sprayer tank is re-filled is $2 \text{ litres}/20 = 1/10 \text{ litre} = 100 \text{ ml}$.



8 Add this volume of pesticide to the water in the sprayer, put on the tank lid, shake well, and you are ready to spray.