



In brief:

Rescue is the selective herbicide from Syngenta giving effective control of coarse Ryegrass, whilst leaving Fescue fine grass species unaffected

Knapsack application allows precise treatment of selected areas

Targeted applications on areas of Ryegrass invasion, including green collars and approaches

Convenient treatment on inaccessible areas of rough, heather and bunker faces

Rescue knapsack application



Knapsack application can provide precise and convenient Rescue treatment on selected areas, including greens, surrounds and rough

Rescue rates for knapsacks

Calibrate your knapsack sprayer first to know the water volume being applied per 100 sq m.

Apply Rescue at a rate of 10 ml per 100 sq m to treat at the equivalent rate of 1 l/ha or 13 ml per 100 sq m to treat at the equivalent rate of 1.33 l/ha.



Rescue is approved for use at rates of 1.0 l/ha in the autumn and 1.0–1.33 l/ha in the spring.

100 sq m is an area equivalent 10 m x 10 m

See www.greencast.co.uk for full information on Rescue treatment and programmes.

Knapsack sprayer calibration

Knapsack calibration is essential to know the volume of spray mix – and consequently the application rate of Rescue – being applied across a given area.

- 1 Mark out an area 10 m x 10 m (100 sq m) on a surface typical of that to be sprayed**
Walking through deep rough or uneven terrain is more difficult, resulting in significantly different application rates.
- 2 Half fill the knapsack sprayer with clean water. Place on a flat surface and mark precisely the water level with a waterproof pen**
Be aware walking speed can vary considerably when carrying a full sprayer, compared to when empty.
- 3 Carefully spray the pre-marked area**
Check your sprayer pattern and spraying technique first (see overleaf).
- 4 Put the sprayer back on the flat surface and, using a measuring jug, refill the sprayer back to the marked line**
Water volume used = application rate per 100 sq m

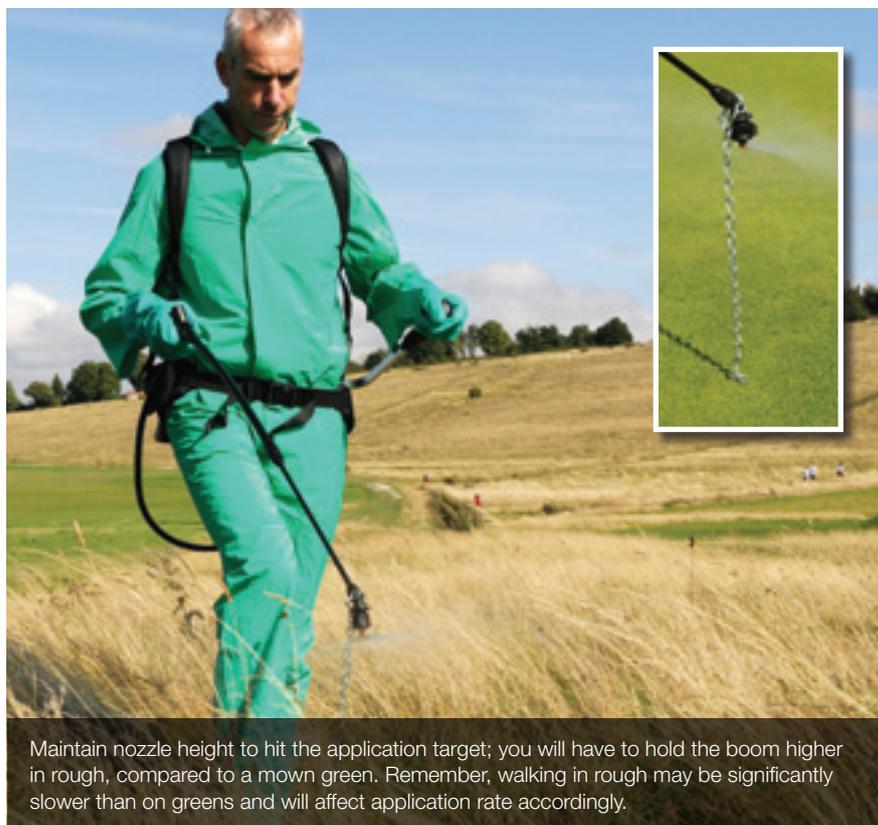
Repeat the calibration process for different surfaces and terrains being sprayed.

Different operators will walk at different speeds; check calibration for each operator and instigate standard spraying practices (see overleaf).

Check the calibration for each different knapsack sprayer; it can vary considerably between manufacturers and sprayers.

For an alternative knapsack calibration technique visit the Application Zone on www.greencast.co.uk

Knapsack spraying techniques



Measure the area to be sprayed before mixing. If only a small area or the final part of a larger area only tank mix the required spray volume to treat the area.

Where spraying large areas, such as Ryegrass in rough, use a cane to mark the end of each run (allowing for the required spray pattern) and ensure even coverage across the area. **Top Tip:** paint canes white to make them easily visible when spraying in tall rough.

Spray at the required height above the target to attain the desired spray pattern (see below). **Top Tip:** fix a piece of cord or light chain to the end of the lance, cut to the required spraying height as a guide.

Do not spray out right to the bottom of the tank, unless it is the last tank of the job spray pattern and application rate of knapsack sprayers at the end of the tank is always poor.

Carry a cane, fixed to the knapsack with an elastic band, to mark any point where you stopped spraying to refill. Refill with the measured amount of water and appropriate Rescue rate.

If there is any spray mix left when the treated area has been completed either (a) spray out on an additional area where Ryegrass weed incursion is a problem and mark on your spray records accordingly, or (b) dispose of safely though and approved waste disposal route. DO NOT spray back over the treated area.

Ideally designate a knapsack sprayer for Rescue application to ensure consistent calibration and avoid cross contamination with other products.

Checking spray pattern

Operators should check knapsack sprayers and spraying technique to ensure a consistent and even spray pattern.

Clean all filters (including within the lance handle if appropriate) and check seals to ensure sprayer is achieving consistent and even pressure with a smooth, easy pumping action.

Visually inspect the nozzle for scuffs or burrs; unprotected knapsack nozzles are frequently damaged when spraying hard surfaces. Replace as necessary.

Wash out the sprayer thoroughly and fill with clean water. On a dry concrete surface, follow your typical spraying technique to check even distribution and coverage.

Assess overlap or distance between passes to achieve even coverage. **Top Tip:** place three containers across the spray pattern – one at each edge and one in the centre; hold the lance at the operating height above the central container and spray for one minute; compare the volume collected in each jar to check band width consistency.

Check for consistent spray coverage between pumps of the handle and to ensure any pressure regulator valve is working efficiently.

Adjust spraying technique and speed to achieve good coverage.

Key action points

Ensure all knapsack operators have necessary PA1 and PA6 qualifications

Check calibration of different knapsack sprayers

Service and maintain knapsack sprayers regularly

Anvil-style knapsack nozzles will deliver a flat fan spray pattern and even coverage

Fit an appropriately sized nozzle to deliver a medium to fine spray pattern

Follow Rescue advice on application timing

For more information visit www.greencast.co.uk