



What is ProForce Numchuk Quad Herbicide

- **Numchuk Quad** is a non-selective knockdown and residual herbicide featuring 'Quad Control Herbicide Technology' to provide effective post and pre emergence weed control for up to 12 months.
- **Numchuk Quad** contains 100g/L Glyphosate, 60g/L Amitrole, 15g/L Oxyfluorfen and 350g/L Terbutylazine, 4 herbicides from different mode of action groups.
- **Numchuk Quad** is registered to control most annual, perennial and broadleaf weeds in commercial and industrial areas including rights of way, roadsides, railway lines, guideposts, powerlines and substations, aerodromes, public utilities and fencelines.

Mode of Action

- Glyphosate, one of the active ingredients in **Numchuk Quad Herbicide**, controls weeds by inhibiting the activity of the EPSP enzyme (5-enolpyruvylshikimic acid-3-phosphate synthase), which is necessary for the formation of the aromatic amino acids within the plant.
- Amitrole's mode of action isn't well understood, but it is believed to be an inhibitor of several important enzymes. One of which is lycopene cyclase which is involved in carotenoid production. Carotenoids are essential components of photosynthesis, playing an important role in preventing photo-oxidative damage.

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Group	CMQG	Herbicide
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Maximising Performance with ProForce Numchuk Quad Herbicide

- ✓ Don't apply if heavy rains or storms that are likely to cause runoff are forecasted within 3 days. Avoid application to waterlogged soils.
- ✓ Don't apply with spray droplets smaller than a coarse spray droplet size.
- ✓ Avoid application when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.
- ✓ Do not apply during surface temperature inversion conditions at the application site.
- ✓ For best results add 120mL/100L of water of a suitable adjuvant / surfactant.
- ✓ Application should give 8-12 months effective weed control. Duration and effectiveness of control depends on the amount of chemical applied, soil type, rainfall, weed species and other conditions. Sufficient rainfall (20 to 30 mm either as rainfall or irrigation) to wet the soil through the weed root zone is necessary within 2-3 weeks of application to make the product effective. A delay in rainfall beyond 3 weeks may result in weeds germinating from depth and surviving. Heavy rainfall on light soils may cause movement of the herbicide out of the weed seed zone, resulting in reduced weed control.

Numchuk Quad Use Rates



Numchuk Quad – Use Rates & Label Recommendations

SITUATION	WEEDS	RATE	COMMENTS
Commercial and Industrial areas including rights of way, roadsides, railway lines, guideposts, powerlines and substations, aerodromes, public utilities and fencelines	Most annual, perennial and broadleaf weeds	Boom Spray: 20-25L/ha Handgun: High pressure spraying 1.8L/100L Low pressure spraying 180mL/10L	Apply in autumn or spring when weeds are actively growing. Do not apply under drought conditions. For best results add 120mL/100L of tallow amine ethoxylate surfactant. Suitable rainfall (20-30mm) to wet the soil through the weed root zone is necessary within 2-3 weeks after application. Boom Spray: Apply sufficient spray to obtain even coverage. Handgun: For high pressure spraying apply 1100L spray volume per hectare.

