

PRODUCT INFORMATION

NIMITZ has been shown to reduce nematode numbers and plant damage associated with root knot nematodes, root lesion nematodes and potato cyst nematodes.

NIMITZ has contact action, affecting all active stages of the nematode life cycle by inhibiting the feeding and motility of adults and juveniles, and inhibiting development and hatching of eggs.

NIMITZ controls nematodes present at the time of application only. Nematodes should be active at the time of application (soil temperatures approx. 12-15°C or higher). Residual activity of Nimitz is limited to the first portion of the growing season and thorough mixing through the soil profile is essential to maximise efficacy. NIMITZ does not negatively affect beneficial free-living nematodes.

Kūmara/sweet potatoes: Vine cuttings should be 25–45 cm in length at the time of planting to minimize any potential post-transplant stress that may result in slower crop establishment.

DIRECTIONS FOR USE

TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA

It is an offence to use this product on animals.

EPA Use Restrictions:

- Do not apply onto or into water;
- The maximum application rate of Nimitz is 8 L/ha (equivalent to 3.84 kg fluensulfone/ha), with a maximum frequency of one application per year;
- The substance must be applied using ground-based methods only;
- The substance must be applied with ground-based equipment with a low boom height and minimum coarse droplets, as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline;
- The substance must not be applied when wind speeds are less than 3 km/hr or more than 20 km/hr as measured at the application site;
- The substance must be incorporated into the soil after application; and
- Avoid application during rain or when rain is forecast within 72 hours after application.

CROP	RATE	CRITICAL COMMENTS
Carrot Kūmara/sweet potato Parsnip Potato	4 – 8 L/ha in a minimum water rate of 200 L/ha	<p>Make a single application at least 7 days prior to sowing.</p> <p>Apply evenly to moist, well-prepared soil as a broadcast application and mechanically incorporate to a depth of 15-20 cm as soon as possible after application, i.e. on the day of application.</p> <p>Use the low rate for less susceptible crops and/or crops under low nematode pressure where soil counts or paddock history indicate the population density is close to the economic threshold and minor yield loss is expected.</p> <p>Use the high rate for Potato Cyst Nematode and root lesion nematode (<i>Pratylenchus</i> spp.), in more susceptible crops or crops under moderate to high nematode pressure where soil counts or paddock history indicate that the population density is above the economic threshold and significant yield loss is expected.</p>

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIODS

Carrot, kūmara/sweet potato, parsnip, potato: DO NOT use on varieties maturing earlier than 80 days after planting

For export crops consult your exporter.

PLANT BACK RESTRICTIONS

Do not plant crops into areas treated with NIMITZ until the following plant-back interval has elapsed since the application.

CROP	PLANT-BACK INTERVAL
Carrots, kūmara/sweet potato, parsnip, potato	No restriction
Cereal crops for animal forage (greenfeed), pasture, forage brassicas	No restriction
Cereal crops for animal forage (hay, straw)	No restriction
Cereals for grain	180 days
Lettuce	180 days
All other crops	270 days

In the event of crop failure, replant only with carrots, kūmara/sweet potato, parsnip or potato; or crops intended for animal consumption only. Do NOT reapply Nimitz.

MIXING

Fill the spray tank to 70% full, add the required amount of NIMITZ to the spray tank and commence agitation while adding the balance of the water to the spray tank. Continue agitation during application.

NOTE: Thoroughly clean application equipment prior to and after use.

COMPATIBILITY

DO NOT tank mix NIMITZ with other products, including fertilisers, unless the physical compatibility of the mixture has been confirmed. Contact ADAMA for further information regarding product compatibility with NIMITZ.

APPLICATION

Apply by ground based application methods only, using coarse or larger droplets and low boom height.

Apply in sufficient water to obtain even coverage of the treated area and incorporate as soon as possible after application. If clods or plant debris are present in the field, thoroughly incorporate prior to application. Ensure soil moisture is adequate for even incorporation.

RAINFALL

Avoid application during rain or when heavy rain is forecast within 72 hours after application.

BUFFER ZONES

A buffer zone of 40 meters is required between the application area and downwind water bodies. A vegetative filter strip (uncultivated land) of 20 m is required between the NIMITZ application area and water bodies.



RESISTANCE MANAGEMENT

No group code exists. NIMITZ contains fluensulfone, a nematicide from the fluoroalkenyl thioether chemical group that acts as a metabolic inhibitor in the pathway that the plant parasitic nematode uses to access its energy reserves. While resistance in nematode populations is considered unlikely, use strictly in accordance with label directions. The use of cultural control practices such as crop rotation, use of resistant varieties and avoidance of sowing susceptible crops into known high pressure areas, as part of an integrated management approach, is recommended.

