



ADAMA

Simanex® 900 WG

The economical pre-emergent grass and broadleaf herbicide for forestry and non-crop situations

Product Overview

Simanex® 900 WG is a water-soluble granule (WG) herbicide containing 900g/kg simazine. It offers effective pre-emergent control of broadleaf weeds and annual grasses in forestry and IVM applications. It is a versatile tool used to establish weed-free zones around tree plantations, industrial areas, and rights-of-way.

Simanex® 900 WG is especially valued in forestry for its ability to manage weeds that compete with young trees, thus promoting healthy establishment and growth. Additionally, its role in IVM is critical for maintaining infrastructure such as rights of way and industrial sites free from unwanted vegetation.

When used as part of an integrated weed management program, Simanex® 900 WG delivers long-lasting residual control and ensures robust suppression of competitive weed species.

GROUP 5 HERBICIDE

Mode of Action

Simazine belongs to the triazine group (MOA Group 5). It works by inhibiting photosynthesis at the photosystem II (PSII) site in susceptible plants. The active ingredient is absorbed primarily through the roots of germinating weeds, disrupting the energy production process necessary for their survival. This makes it particularly effective for pre-emergence weed control, requiring adequate soil moisture for activation.

Weed germination and establishment are suppressed by the formation of a chemical barrier in the soil, ensuring long-term residual activity



Applications

Forestry:

- **Pre-Planting:** applied to prepare the soil, ensuring a weed-free environment for young seedling trees. (E.g. Pines and Eucalypts).
- **Post-Planting:** Directed spray techniques help control emerging weeds around established trees without harming the species being cultivated.

Integrated Vegetation Management (IVM):

- **Simanex® 900 WG** plays a critical role in maintaining vegetation-free zones around infrastructure such as pipelines, utility rights of way, and industrial facilities. It prevents weed proliferation that can pose safety risks or operational inefficiencies.



HERBICIDE

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At a glance

Broad-Spectrum Weed Control	Simanex® 900 WG effectively suppresses numerous broadleaf weeds and grasses, helping manage dense vegetation in diverse environments
Pre-Emergent Activity	It primarily functions as a pre-emergent herbicide, inhibiting weed germination by targeting the photosynthesis pathway in plants
Soil Persistence	Simazine binds moderately to soil particles, providing residual control of weeds for up to 6 months while limiting off-target movement under recommended conditions
Selective Use in Forestry	When used as directed, Simanex 900 WG is safe for forestry species, reducing the risk of phytotoxicity to young trees during establishment
Cost-Effectiveness	Due to its long-lasting residual activity, fewer applications are needed, reducing labour and material costs in large-scale operations
Compatibility	Simanex® 900 WG is often used in combination with other herbicides, such as glyphosate, Excalibur IVM, Firepower 900, Victory 600, Victory IVM or Galigan 500 SC to enhance control of resistant weed species. For more information on compatibility contact your Adama representative

How to get the best from Simanex® 900 WG

- Simanex® 900 WG provides control over a wide range of weed species. Key weeds managed include:
Grasses: Ryegrass (*Lolium spp.*), Wild oat (*Avena fatua*), Silver Grass (*Vulpia spp.*), and Barley grass (*Hordeum leporinum*).
Broadleaf Weeds: Capeweed (*Arctotheca calendula*), Clover (*Trifolium spp.*), Paterson's Curse (*Echium plantagineum*), and Wild Radish (*Raphanus raphanistrum*).
- Simanex® 900 WG is most effective when integrated into a comprehensive weed management program. Combining it with complementary products such as Excalibur® IVM (sulfometuron methyl) enhances its residual activity and post-emergence capabilities.
- While Simanex® 900 WG offers benefits such as prolonged soil activity and moderate soil binding, care should be taken to avoid application in areas with high water table levels or saturated soils, as this may increase the risk of leaching. Compliance with label restrictions ensures safe and effective use, protecting both the environment and non-target species
- Rates vary depending on soil type, target species, and application timing. For forestry, typical rates are determined based on soil texture and organic matter content to minimize phytotoxicity while ensuring effective weed control:
Forestry Pre-Planting: 1.6–6.7 kg/ha.
IVM and Industrial Areas: 5–48.0 kg/ha depending on weed density and soil type.
Hand gun: 500g/100L.
- Requires rainfall or irrigation (10–20 mm) to activate the herbicide barrier in the soil



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