

PIRANHA SUPER 510 SL

HERBICIDE

PIRANHA SUPER 510 SL is a soluble concentrate non-selective foliar, systemic herbicide for the control of wide range of annual and perennial grasses, broadleaf weeds and certain woody perennials as listed. Also used on glyphosate tolerant crops such as Maize and Soya beans.

ACTIVE INGREDIENT

Glyphosate (As Glyphosate isopropylamine salt as 680g/l)..... 510g a.e /Kg

Precautionary statement

1. Keep under lock and key.
2. Keep out of reach of children.

Hazard Statement

1. Harmful if swallowed.
2. Harmful to aquatic life.

SUPPLIER:

FarmAg International
61 Marshal Drive
Old mill Industrial park
Mt Edgecombe, 4300
Tel: 031 0033486



LOCAL DISTRIBUTOR:

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Net Content:
Batch Number:
Manufacture Date:
Expiry Date:
Zema Product No.



WARNING



WITHHOLDING PERIODS:

Allow the following number of days between the last application and harvest or grazing:

Maize (Grazing)	28 days
Soybeans	14 days

WARNING

- Poisonous if swallowed.
- Avoid contact with skin or eyes since product is eye irritant and may cause skin irritation.
- Store away from food and feeds, fertilizers and other chemicals.
- Keep out of reach of children, uninformed persons and animals.
- Do not spray over or allow drift to contaminate water or adjacent areas.
- **Aerial application:** notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.
- **Re-entry:** do not enter treated area until spray deposit has dried unless wearing protective clothing.

PRECAUTIONS

- Do not eat, drink or smoke while handling this product.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Wash yourself after use or accidental skin contact.
- Change and wash contaminated clothes.
- Do not inhale the spray mist.
- Avoid contact with the spray as much as you can.
- Avoid spray drift onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Rinse the container three times with a volume of water equal to a minimum of 10% of the container. Add the rinsing to the contents of the spray tank.
- Destroy empty container and do not use for any other purpose.

RESISTANCE WARNING

PIRANHA SUPER 510 SL is a group code G (glycine) herbicide. Any weed population may contain individual weeds naturally resistant to **PIRANHA SUPER 510 SL** and other group code G herbicides. If a glycine treatment has been ineffective in the control of the above mentioned weeds, do not re-treat with a herbicide from the same chemical groups. Resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Resistant weeds may not be controlled by **PIRANHA SUPER 510 SL** or any other group code G herbicide. In order to delay herbicide resistance:

- Avoid the exclusive and repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from different herbicide group codes.
- Integrate chemical and cultural control methods into weed control programmes.

DIRECTIONS FOR USE: Use only as indicated.

1. Use only clean water in spray mixture.
2. Always ensure that spray equipment is clean, and correctly calibrated before spraying.
3. Use low spray pressure (100 - 200 kPa) to avoid spray drift.
4. **PIRANHA SUPER 510 SL** is actively absorbed through immature bark and leaves of most plants and trees. Contact with immature bark, such as in trees younger than three years, can result in serious localised or translocated damage. **THEREFORE CONTACT WITH LEAVES, GREEN OR IMMATURE BARK AND FRUIT OF DESIRED PLANTS, WHETHER DIRECT OR BY SPRAY DRIFT, MUST BE AVOIDED. ALWAYS MAKE SURE THAT ONLY UNDESIRABLE PLANTS ARE TREATED.**

Do not spray onto pruned vines or fruit trees until wounds have sealed properly. **PIRANHA SUPER 510 SL** is a non-selective systemic herbicide and is only active when applied to the green foliage and

bark of plants. The visible effect of **PIRAHNA SUPER 510 SL** on treated foliage usually appears at 10-14 days after treatment but may vary according to weather conditions. **PIRAHNA SUPER 510 SL** should be applied to actively growing weeds that are not dormant or under temperature or moisture stress. Rain or irrigation a few days prior to a **PIRAHNA SUPER 510 SL** application ensures that weeds are actively growing, resulting in optimum efficacy. Rain or irrigation within 6 hours of application can reduce **PIRAHNA SUPER 510 SL** efficacy. Do not spray on weed foliage covered with a layer of dust. In these situations apply after recent rain. **PIRAHNA SUPER 510 SL** has NO pre-emergence activity, therefore repeat applications are necessary (when applied on its own) to control weeds germinating from seed. Ensure that target weeds are fully exposed to the **PIRAHNA SUPER 510 SL** spray.

USER RESTRICTIONS

When using **PIRAHNA SUPER 510 SL** as a land preparation for transplanted tomatoes, tobacco or any other transplanted crop with green and soft stems, allow a minimum of 14 days between application and transplanting of seedlings.

MIXING INSTRUCTIONS

Half fill the spray tank with clean water and add the required quantity of **PIRAHNA SUPER 510 SL**. Then fill the tank to the required volume with clean water, ensuring thorough agitation. When using tank mixes, the additional herbicide should be added after **PIRAHNA SUPER 510 SL** and agitation must be continuous before and during spraying. Application Remove sediments eg, residues of WP pesticides, from spray tanks before adding **PIRAHNA 510 SL**. Avoid the use of hard or muddy water, or water with a high colloidal content derived from soils high in organic matter. Correctly calibrate all sprayers under field conditions prior to application.

EVEN APPLICATION IS ESSENTIAL FOR GOOD RESULTS. Ground application **PIRAHNA SUPER 510 SL** can be applied with conventional ground equipment (tractor mounted booms, knapsack etc). Optimum spray deposits are obtained with ground equipment calibrated to spray 30 – 600 ℓ/ha with suitable nozzles to ensure adequate coverage. Where drift is a problem do not exceed 2 Bar. Use only the pressures recommended for specific nozzles to avoid drift.

Aerial application Aerial application of **PIRAHNA SUPER 510 SL** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft operator: Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- The use of a suitable drift retardant adjuvant and / or low drift nozzles (e.g. straight stream nozzles) is recommended. In the case of fixed-wing aircraft flying at a speed faster than 130 mph, the maximum deflection angle of the nozzles or spray stream, as measured from a horizontal straight backwards orientation, may not exceed 30 degrees. In the case of slower flying fixed wing aircraft the maximum deflection angle, as described above, may not exceed 55 degrees.
- **Volume:** a spray mixture volume of 30 to 35 ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aurally at a lower volume rate than recommended above.
- **Droplet coverage:** 30 to 40 droplets per cm² must be recovered at the target area.
- **Droplet size:** a droplet spectrum with a VMD of 300 to 350 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.

- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day. • Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following: reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage). Damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field
- Ensure that the aerial spray operator knows exactly which fields to spray.
- Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION

PIRANHA SUPER 510 SL will control annual weeds as indicated on the front page. Seedlings and young plants are more sensitive and can be controlled with the lower dosage rate.

High dosage rates will have a longer growth regulation period and a corresponding increase in initial yellowing. Do not apply to plants under stress conditions e.g. drought

TARGET WEED	DOSAGE RATE per HA	RATE in 16 ltr	REMARKS
Pre-plant used control	0.75 – 1.0 ltr	60 – 80 mℓs	Performance enhanced on difficult broadleaf weeds
Annual grasses and Broadleaf weeds	0.75 – 1.5 ltr 1.50 – 2.5 ltr	60 – 120 mℓs 120 – 200 mℓs	Seedling stage. Late stage
Yellow + P/ Nutsedges and Cynadon Dactylon	4.0 – 6.0 ltr	320 – 480 mℓs	Very effective against Nutsedges and Cynadon Dactylon.
Bi-annual and Perennial weeds	2.5 – 4.0 ltr	200 – 320 mℓs	Very effective

This product is irritating to the eyes and skin. Keep out of reach of children and uninformed persons and animals. Store away from food, feed, seed and fertilizers.

Re-entry: Do not enter treated field until spray has dried unless wearing protective clothing. In case of accidental eye contact, wash with plenty of water for at least 15 minutes and get medical attention if necessary. Ensure that the spray drift is prevented onto non target grazing or crops as damage may result.

Withholding Period: Minimum number of days between last application (grazing) and harvest

Compatibility

PIRANHA SUPER 510 SL can be mixed with other agriculture chemicals, but always consult an agronomist before mixing. However it can be mixed with Jaguar (Acetochlor 900g/ltr), to provide

residual control, and 2,4-D amine and MCPA to improve the control of the most difficult broadleaf weeds.

GENERAL INFORMATION

PIRANHA SUPER 510 SL contains a blend of surfactants for optimal performance and is actively absorbed through immature bark and leaves of most trees and plants. Contact with immature bark, such as in trees younger than three years, can result in serious localised damage. Therefore contact the leaves, green or immature bark and fruit of desired plants whether direct or spray drift must be avoided. Always make sure that only undesired plants are treated for effective weed control.

PIRANHA SUPER 510 SL contains a technology for accelerated uptake and translocation and is rain fast within two hours after application.