**2,4-D (2,4-Dichlorophenoxyacetic acid)**

*Herbicide*

A systemic herbicide used in the control of broadleaf weeds. Salts are readily absorbed by the roots, whilst esters are readily absorbed by the foliage. Post-emergence control of annual and perennial broad-leaved weeds in cereals, maize, rice, sorghum, sugarcane, grassland, established turf, grass seed crops, orchards (pome fruit and stone fruit), cranberries, asparagus, forestry, and on non-crop land (including areas adjacent to water).

Recommended dosage: 0.3-2.3 kg a.i/ha

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Maize weeds  
Rice Weeds  
Sugarcane Weeds  
Grassland

Technical: 98% TC  
FORMULATION:  860 g/L SL, 720 g/L SL (salt); 900 g/L EC, 72% EC (ester) Mixture products:
- 2, 4-D + Nicosulfuron 40% OD
- 2, 4-D + Florasulam 459 g/L SE
- 2, 4-D + Glyphosate 32% SL
- 2, 4-D + Picloram 27% SL
- 2, 4-D + Dicamba 41% SL

For more information & other products contact us via info@xyten.com
Atrazine

Herbicide

A selective systemic herbicide, absorbed by the roots and the foliage, with translocation acropetally in the xylem and accumulation in the apical meristems and leaves. Pre-emergence and post-emergence control of annual broad-leaved weeds and annual grasses in maize, sorghum, sugarcane, pineapples, chemical fallow, grassland, macadamia nuts, conifers, and industrial weed control. In Europe, use is concentrated in maize and sorghum.

Also used in combinations with many other herbicides as well.

Recommended dosage: 1.0-3.8 kg a.i./ha

Maize Sorghum Sugarcane Tea garden

Technical: 97% TC
FORMULATION: 90% WDG, 80% WP, 50% SC Mixture products:
• Atrazine + Nicosulfuron + Mesotrione 28% OD
• Atrazine + MCPA + Nicosulfuron 64% WDG
• Atrazine + Rimsulfuron 25% OD
• Atrazine + Propisochlor 40% SE
• Atrazine + Mesotrione 25% OD

For more information & other products contact us via info@xyten.com
Diquat
Herbicide

A fast acting herbicide that works by disrupting cell membranes and interfering with photosynthesis. Pre-harvest desiccation of rice, cereals, maize, cotton, flax, alfalfa, soya beans, peas, beans, clover, lupins, oilseed rape, poppies, sunflowers, sugar beet, and other seed crops; destruction of potato haulms; and stripping of hops.

Control of annual weeds in vines, pome fruit, stone fruit, bush fruit, strawberries, citrus fruit, olives, hops, vegetables, ornamental plants and shrubs, and other crops. Also control of runners.
Control of emergent and submerged aquatic weeds. Weed control on non-crop land. Weed control and tassel inhibition in sugar cane.
Recommended dosage: 400-1000 g a.i./ha

Technical: 40% TK
FORMULATION: 25% SL, 20% SL, 15% SL

For more information & other products contact us via info@xyten.com
Diuron

Herbicide

Systemic herbicide absorbed principally by the roots, with translocation acropetally in the xylem. Control of a wide variety of annual and perennial broadleaf weeds and glasses, mosses in many crops, including cotton, sugarcane, cereals, maize, sorghum, asparagus, tree fruit, bush fruit, citrus fruit, bananas, vines, olives, pineapples, peppermint, alfalfa, forage legumes, and perennial grass-seed crops, and non-crop land.

Recommended dosage: 0.6-4.8 kg a.i./ha for crop land; 10~30 kg a.i./ha for non-crop areas.

Sugarcane          Cotton          Banana          Irrigation channels

Technical: 97% TC
FORMULATION: 80% WDG, 80% WP, 80% SC Mixture products:
• Diuron + Thidiazuron + Ethephon 65% SC
• Diuron + Ametryn + MCPA 72% WP
• Diuron + Thidiazuron 540 g/L SC
• Diuron + Hexazinone 60% WDG
• Diuron + Ametryn 500 g/L SC

For more information & other products contact us via info@xyten.com
Glufosinate Ammonium

Herbicide

A non-selective contact herbicide with some systemic action. Translocation occurs only within leaves, predominantly from the leaf base to the leaf tip. Control of a wide range of annual and perennial broad-leaved weeds and grasses in fruit orchards, vineyards, rubber and oil palm plantations, ornamental trees and bushes, non-crop land, and pre-emergence in vegetables. Also used as a desiccant in potatoes, sunflowers, etc. For control of annual and perennial weeds and grasses in glufosinate tolerant crops (oilseed rape, maize, soya beans, sugar beet) developed through gene technology.

Recommended dosage: 0.4~1.5 kg a.i./ha

Technical: 95% TC, 50% TK

FORMULATION: 200 g/L SL, 150 g/L SL Mixture products:
- Glufosinate-ammonium + Fluoroglycofen-ethyl 20% OD
- Glufosinate-ammonium + Oxyfluorfen 32% WP
- Glufosinate-ammonium + Oxyfluorfen 17% ME

For more information & other products contact us via info@xyten.com
Glyphosate

Herbicide

A non-selective systemic herbicide absorbed by the foliage, with rapid translocation throughout the plant and inactivated on contact with soil. Control of annual and perennial grasses and broad-leaved weeds, pre-harvest, in cereals, peas, beans, oilseed rape, flax, mustard, stubble and post-planting/pre-emergence of many crops; as a directed spray in vines, olives, orchards, pasture, forestry and industrial weed control.

Recommended dosage: 1.5-4.5 kg a.i./ha

Before              After            Glyphosate used       Glyphosate not used

Technical: 95% TC, 62% TK

FORMULATION: 88.8% WSG, 80% SP, 68% WSG,

Mixture products:
• Glyphosate + Fluoroglycofen-ethyl 80% WP
• Glyphosate + Bensulfuron-methyl 75% WP
• Glyphosate + Oxyfluorfen 80% WDG
• Glyphosate + Oicamba 70% SP
• Glyphosate + 2, 4-D 32% SL

For more information & other products contact us via info@xyten.com
Halosulfuron-methyl

Herbicide

A systemic herbicide, absorbed by the root system and/or leaf surface, and translocated to meristem tissues. Halosulfuron-methyl has demonstrated activity for the control of annual broad-leaved weeds and nut sedge species, in rice, wheat, maize, sorghum, sugarcane, tomato, nuts and turf. Efficacy has been observed with post-emergence applications.

Recommended dosage: 18~35 g a.i./ha

Technical: 98% TC

FORMULATION: 75% WDG Mixture products:
- Halosulfuron-methyl + Florasulam 75% WDG
- Halosulfuron-methyl + Flucarbazone-Na 60% WDG

For more information & other products contact us via info@xyten.com
Nicosulfuron
Herbicide

A selective systemic herbicide, absorbed by the foliage and roots, with rapid translocation in xylem and phloem to the meristematic tissues. Selective post-emergence control in maize of annual grass weeds, including *Setaria*, *Echinochloa*, *Digitaria*, *Panicum*, *Lolium*, and *Avena* spp., broad-leaved weeds, including *Amaranthus* spp. And Cruciferae, and perennials such as *Sorghum halepense* and *Agropyron repens*.

Recommended dosage: 35-70 g a.i./ha

Technical: 95% TC

**FORMULATION:** 75% WDG, 40 g/L OD Mixture products:
- Nicosulfuron + Fluroxypyr-meptyl + Mesotrione 50% WDG
- Nicosulfuron + Atrazine + Acetochlor 52% OD
- Nicosulfuron + Mesotrione 25% OD
- Nicosulfuron + Dicamba 40% WP
- Nicosulfuron + Atrazine 24% OD

For more information & other products contact us via info@xyten.com
Propanil

Herbicide

A selective contact herbicide with a short duration of activity. Post-emergence in rice to control broad-leaved and grass weeds, including *Amaranthus retroflexus*, *Digitaria* spp., *Echinochloa* spp., *Panicum* spp. and *Setaria* spp. Also used, in mixture with MCPA, in wheat. A mixture with Carbaryl is used in citrus crops grown in sod culture.

Recommended dosage: 2.5~5.0 kg a.i./ha

Technical: 97% TC

**FORMULATION:** 80% WDG, 480 g/L EC, 360 g/L EC (34% EC)

*Mixture products:*
- Propanil + Bentiocarb 450 g/L EC
- Propanil + Triclopyr 432 g/L EC
- Propanil + Butachlor 700 g/L EC
- Propanil + Clomazone 39% EC
- Propanil + 2,4-D 56% EC

For more information & other products contact us via info@xyten.com
Azoxystrobin

Fungicide

An innovation in plant disease control originally inspired by a species of forest-dwelling mushroom, which produced its own natural fungicide. Azoxystrobin acts by inhibiting mitochondrial respiration in fungi, stopping their energy supply along with protectant, curative, eradicant, transaminar and systemic properties. Widely used to control and yield enhancement in cereals such as wheat and barley as well as in vines, fruits, vegetables, bananas, rice, soybeans, corn, turf and ornamentals.

Recommended dosage: 100~375 g a.i./ha

Technical: 97% TC
FORMULATION: 50% WDG, 250 g/L SC
Mixture products:
• Azoxystrobin + Difenoconazole 325 g/L SC
• Azoxystrobin + Oligosaccharins 23% SC
• Azoxystrobin + Epoxiconazole 32% SC
• Azoxystrobin + Thifluzamide 30% SC
• Azoxystrobin + Flutolanil 20% WDG

For more information & other products contact us via info@xyten.com
Chlorothalonil
Fungicide

A non-systemic foliar fungicide with protective action. Control of many fungal diseases in a wide range of crops, including pome fruit, stone fruit, citrus fruit, bush and cane fruit, cranberries, strawberries, pawpaws, bananas, mangoes, coconut palms, oil palms, rubber, pepper, vines, hops, vegetables, cucurbits, tobacco, coffee, tea, rice, maize, soya beans, peanuts, potatoes, sugar beet, cotton, ornamentals, mushrooms and turf.

Recommended dosage: 1.0-2.5 kg a.i./ha.

Tomato early blight    Cucumber downy mildew    Pepper anthracnose    Peanut leaf spot

Technical: 98% TC
FORMULATION: 75% WP, 720 g/L SC, 500 g/L SC
Mixture products:
• Chlorothalonil + Carbendazim + Thiram 75% WP
• Chlorothalonil + Fosetyl-aluminium 75% WP
• Chlorothalonil + Dimethomorph 47% SC
• Chlorothalonil + Tebuconazole 48% SC
• Chlorothalonil + Azoxytrobin 56% SC
• Chlorothalonil + Cymoxanil 36% WP

For more information & other products contact us via info@xyten.com
Cymoxanil
Fungicide

A foliar fungicide with protective and curative action. Has contact and local systemic activity, and also inhibits sporulation. Control of Peronosporales, especially Peronospora, Phytophthora, and Plasmopara spp. Normally used in combination with protectant fungicides (to improve residual activity) on a range of crops, including vines, hops, potatoes, and tomatoes.

Recommended dosage: 200-250 g a.i./ha.

Lettuce downy mildew      Grape downy mildew         Pepper blight                    Potato blight

Technical: 98% TC
FORMULATION: 45% WDG, 20% SC

Mixture products:
• Cymoxanil + Copper oxychloride 40% WP
• Cymoxanil + Famoxadone 52.5% WDG
• Cymoxanil + Dimethomorph 70% WDG
• Cymoxanil + Azoxystrobin 60% WDG
• Cymoxanil + Mancozeb 72%WP

For more information & other products contact us via info@xyten.com
Copper Oxychloride
Fungicide

A foliar fungicide with preventive action. Control of various fungus and bacterial diseases such as early and late blight, leaf spot, leaf scorch, downy mildews, canker and scab, melanose, anthracnose and blister blight in pome, citrus, stone fruits, vines, passionfruit, bananas, tomatoes and other fruit and vegetable crops and ornamentals.

Recommended dosage: 2~4 kg a.i./ha or 300-400 g a.i./100 L per application.

Tomato late blight       Citrus canker       Apple anthracnose       Rose leaf spot

Technical: 97% TC
FORMULATION: 70% WP

Mixture products:
• Copper oxychloride + Thiophanate-methyl + Sulphur 50% WP
• Copper oxychloride + Dimethomorph 46% WP
• Copper oxychloride + Kasugamycin 50% WP
• Copper oxychloride + Metalaxyl-M 45% WP
• Copper oxychloride + Cymoxanil 40% WP
• Copper oxychloride + Zineb 52% WP

For more information & other products contact us via info@xyten.com
Iprodione

Fungicide

A contact fungicide with protective and curative action. Inhibits germination of spores and growth of fungal mycelium. Control of *Botrytis, Monilia, Sclerotinia, Alternaria, Corticium, Fusarium, Helminthosporium, Phoma, Rhizoctonia, Typhula* spp., etc. Used mainly on sunflowers, cereals, fruit trees, berry fruit, oilseed rape, rice, cotton, vegetables, and vines as a foliar spray. Can also be used as a post-harvest dip, as a seed treatment, or as a dip or spray at planting.

Recommended dosage: 0.5-1.0 kg a.i./ha on crops and 3-12 kg a.i./ha on turf

Technical: 96% TC

**FORMULATION:** 50% WP, 500 g/L SC, 255 g/L SC

*Mixture products:*
- Iprodione + Mancozeb + Carbendazim 75% WP
- Iprodione + Thiophanate-methyl 60% WP
- Iprodione + Carbendazim 52.5% WP
- Iprodione + Pyrimethanil 60% WDG
- Iprodione + Propineb 80% WP

For more information & other products contact us via info@xyten.com
Kresoxim-methyl
Fungicide

Fungicide with protective, curative, eradicative and long residual disease control; acts by inhibiting spore germination. Redistribution via the vapour phase contributes to activity. Control of scab in apples and pears (Venturia spp.); powdery mildew on apples (Podosphaera leucotricha), vines (Uncinula necator), cucurbits (Sphaerotheca fuliginea) and sugar beet (Erysiphe betae); mildew (Erysiphe graminif, scald (Rhynchosporium secalitf, net blotch (Pyrenophora teretf and glume blotch (Septoria nodorum) on cereals; mildew on vegetables (Leveillula taurica, Erysiphe spp., Alternaria spp.).

Recommended dosage: 120~400 g a.i./ha

Technical: 98% TC
FORMULATION: 50% WDG, 30% SC

Mixture products:
• Kresoxim-methyl + Thiophanate-methyl 50% WP
• Kresoxim-methyl + Difenoconazole 325 g/L SC
• Kresoxim-methyl + Dimethomorph 80% WDG
• Kresoxim-methyl + Tebuconazole 70% WDG
• Kresoxim-methyl + Hexaconazole 40% SC

For more information & other products contact us via info@xyten.com
Mancozeb

Fungicide

Fungicide with protective action. Control of many fungal diseases in a wide range of field crops, fruit, nuts, vegetables, ornamentals, etc. More frequent uses include control of early and late blights (*Phytophthora infestans* and *Alternaria solani*) of potatoes and tomatoes; downy mildew (*Plasmopara viticola*) and black rot (*Guignardia bidwellii*) of vines; downy mildew (*Pseudoperonospora cubensis*) of cucurbits; scab (*Venturia inaequalis*) of apples; Sigatoka (*Mycosphaerella* spp.) of bananas and melanose (*Diaporthe citri*) of citrus.

Recommended dosage: 1.5~2.5 kg a.i./ha

Banana leaf spot  Grape bunch rot  Potato blight  Citrus melanose

Technical: 90% TC

**FORMULATION:** 80% WP, 75% WDG, 30% SC

*Mixture products:*
- Mancozeb + Dimethomorph 69% WDG
- Mancozeb + Difenoconazole 55% WP
- Mancozeb + Diniconazole 32.5% WP
- Mancozeb + Cymoxanil 72% WP
- Mancozeb + Metalaxyl 72% WP

For more information & other products contact us via info@xyten.com
**Propiconazole**

*Fungicide*

Systemic foliar fungicide with protective and curative action, with translocation acropetally in the xylem. Used on grasses grown for seed, mushrooms, Corn, wild rice, peanuts, almonds, sorghum, oats, pecans, apricots, peaches, nectarines, plums and prunes. On cereals controls diseases caused by *Erysiphe graminis*, *Leptosphaeria nodorum*, *Pseudocercospora herpotrichoides*, *Puccinia* spp., *Pyrenophora teres*, *Rhynchosporium secalis*, and *Septoria* spp..

Recommended dosage: 100~150 g a.i./ha

**Technical:** 95% TC  
**FORMULATION:** 50% EC, 50% EW, 50% ME, 25% EC

*Mixture products:*
- Propiconazole + Difenoconazole 50% EC
- Propiconazole + Tebuconazole 45% SC
- Propiconazole + Tricyclazole 52.5% SE
- Propiconazole + Azoxystrobin 32% SC
- Propiconazole + Carbendazim 35% SE

For more information & other products contact us via info@xyten.com
Pyraclostrobin
Fungicide

Fungicide with protectant, curative, and translaminar properties. Under development for control of major plant pathogens, such as Septoria tritici, Puccinia spp., Drechslera tritici-repentis and Pyrenophora teres in cereals, Mycosphaerella spp. in peanuts, Septoria glycines, Cercospora kikuchii and Phakopsora pachyrhizi in soya beans, Plasmopara viticola and Uncinula necator in grapes, Phytophthora infestans and Alternaria solani in potatoes and tomatoes, Mycosphaerella fijiensis in bananas, Elsinoe fawcettii and Guignardia citricarpa in citrus, and Rhizoctonia solani and Pythium aphanidermatum in turf.

Recommended dosage: 50-250 g a.i./ha for food crops and 280-560 g a.i./ha for turf per application.

Technical: 98% TC
FORMULATION: 250 g/L EC, 240 g/L SC

Mixture products:
• Pyraclostrobin + Thiophanate-methyl 30% SC
• Pyraclostrobin + Dimethomorph 45% SC
• Pyraclostrobin + Tebuconazole 40% SC
• Pyraclostrobin + Thifluzamide 20% SC
• Pyraclostrobin + Zineb 60% WDG

For more information & other products contact us via info@xyten.com
Abamectin
Insecticide & Acaricide

Insecticide and acaricide with contact and stomach action. Has limited plant systemic activity, but exhibits translaminar movement. Control of motile stages of mites, leaf miners, suckers, beetles, etc. on ornamentals, cotton, citrus fruit, pome fruit, nut crops, vegetables, potatoes, and other crops. Also used for control of fire ants. Recommended dosage:
5.6-28 g a.i./ha for mite control, 11 -22 g a.i./ha for leaf miners control.

Technical: 95% TC
FORMULATION: 5% EC, 5% EW, 1.8% EC, 0.5% GR

Mixture products:
- Abamectin + Methoxyfenozide 10% SC
- Abamectin + Fenbutatin oxide 21 % SC
- Abamectin + Spirodiclofen 20% SC
- Abamectin + Chlorpyrifos 15% EC
- Abamectin + Indoxacarb 10% SC

For more information & other products contact us via info@xyten.com
Acetamiprid
Insecticide

Systemic insecticide with translaminar activity and with contact and stomach action. Control of Hemiptera, especially aphids, Thysanoptera and Lepidoptera, by soil and foliar application, on a wide range of crops, especially vegetables, fruit and tea. Recommended dosage: Applied at 75~300 g a.i./ha on vegetables, 100-700 g a.i./ha in orchards.

Technical: 98% TC
FORMULATION: 70% WDG, 70% WP, 20% SP, 5% EC

Mixture products:
• Acetamiprid + Alpha-cypermethrin 25% WDG
• Acetamiprid + Lambda-cyhalothrin 26% WDG
• Acetamiprid + Chlorpyrifos 41.5% EC
• Acetamiprid + Abamectin 4% EC
• Acetamiprid + Bifenthrin 5% EC

For more information & other products contact us via info@xyten.com
Ethephon

Plant growth regulator

Plant growth regulator with systemic properties. In order to promote pre-harvest ripening and maturation of apples, bananas, blackberries, blueberries, cranberries, cherries, citrus fruit, figs, tomatoes, sugar beet and fodder beet seed crops, coffee, capsicums, etc.; To facilitate harvesting, increase flower bud development of the fruits; To prevent lodging in cereals, maize, and flax; To induce flowering and regulate ripening of Bromeliads; To stimulate lateral branching in azaleas, geraniums, and roses; To shorten the stem length in forced daffodils; To accelerate boll opening in cotton; To modify sex expression in cucumbers and squash; To hasten the yellowing of mature tobacco leaves; To stimulate latex flow in rubber trees, and resin flow in pine trees; to stimulate early uniform hull split in walnuts; etc.

Recommended dosage:
Maximum application rate per season 2.18 kg/ha for cotton, 0.72 kg/ha for cereals, 1.44 kg/ha for fruit

Vegetables & Fruit    Rice    Cotton    Rubber

Technical: 90% TC
FORMULATION: 720 g/L SL, 480 g/L SL, 5% Paste

Mixture products:
- Ethephon + Diethyl aminoethyl hexanoate 20% SL
- Ethephon + Diuron + Thidiazuron 65% SC
- Ethephon + 1-Naphthyl acetic acid 10% SL
- Ethephon + Uniconazole 10% SL
- Ethephon + Brassinolide 30% SL

For more information & other products contact us via info@xyten.com
Gibberellic acid
Plant growth regulator

Acts as a plant growth regulator on account of its physiological and morphological effects in extremely low concentrations. Used to improve fruit setting, to increase yield, to loosen and elongate clusters, to reduce rind stain and retard rind ageing, to break dormancy and stimulate sprouting, to extend the picking season, to increase the malting quality.

Recommended dosage: Up to 80 g a.i/ha per application, depending on desired effect.

Technical: 90% TC
FORMULATION: 20% SP, 20% TB, 10% SP, 10% TB, 4% EC

Mixture products:
- Gibberellic acid + Diethyl aminoethyl hexanoate 10% SG
- Gibberellic acid A4, A7 + 6-benzylamino-purine 3.6% EC
- Gibberellic acid + Paclorfenuron 3.2% WP
- Gibberellic acid + Forchlorfenuron 0.3% SL
- Gibberellic acid + Brassinolide 0.4% SL

For more information & other products contact us via info@xyten.com
**S-Abscisic acid (S-ABA)**

*Plant growth regulator*

S-Abscisic acid (S-ABA) is a plant hormone which regulates many agronomically important aspects of plant development, including the synthesis of seed storage proteins and lipids, the promotion of seed desiccation tolerance and dormancy, and the inhibition of the phase transitions from embryonic to germinated growth and from vegetative to reproductive growth. In addition, ABA mediates some aspects of physiological responses to environmental stresses such as drought- or osmotica-induced stomatal closure, the induction of tolerance of water, salt, hypoxic, and cold stress, and wound or pathogen response, etc.

Recommended dosage:
- 2.5-10 mg a.i/kg for spraying and 0.3-0.4 mg a.i/kg for seed soaking.

**GRADE & FORMULATION**

- **Technical**: 98% TC
- **FORMULATION**: 10% SP, 5% WSG/SI, 1.5% WP, 0.03% SL
- **Mixture products**: S-ABA ♦ Indolebutyric acid 1 % WP

For more information & other products contact us via info@xyten.com
Brodifacoum
Rodenticide

Indirect anticoagulant. Controls most rodent pests, including Rattus norvegicus, R. rattus, Mus musculus and M. domesticus, Cricetus cricetus, Mesocricetus auratus, Microtus pennsylvanicus. M. pinetorum, R. argentiventer, R. rattus mindanensis and rodents, such as hamsters.

Recommended dosage:
- Application rates from 10-30 g/15 m² in room
- 2250-3000 g/ha in field (Base on Brodifacoum 0.005% Bait)

Technical: 95% TC, 0.5% TK

FORMULATION: 0.005% Bait

For more information & other products contact us via info@xyten.com
Bromadiolone
Rodenticide

Second-generation anticoagulant rodenticide which also blocks prothrombin formation. Control of rats and mica (including those resistant to warfarin) in areas containing stored products, household use, industrial buildings, and other situations.

Recommended dosage:
- Application rates from 10-20 g/10m² in room.
- 300-450 heap/ha and 2-5 g/heap in field (Base on Bromadiolone 0.005% Bait)

For more information & other products contact us via info@xyten.com