



**NICHICHEM LIFESCIENCE PRIVATE LIMITED**  
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# PRODUCT CATALOGUE



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NICHICHEM LIFESCIENCE PRIVATE LIMITED

## COMPANY PROFILE

**NICHI** means Day/Sun/Sunshine and **CHEM** means Chemicals. So in Crop Protection Chemicals a new day or sunshine is emerging at a fast pace managed by Agri. professionals having more than 35 years of National & International exposure in Rural Marketing with strong footing of technical Knowledge & ethics. We deal with high quality innovative crop protection chemicals and Biopesticides, Biofertilizers & Fertilizers(as it is High time to pay back to our Soil) keeping in view to serve the farming community by providing certain value addition with such products in order to improve crop condition, to have better yield with quality products, serve better by giving right technical know-how at their door step & finally to improve their lively hood.

### Mission:

To provide our customers better environment friendly crop protection chemicals & Agri. solutions with great level of satisfaction.

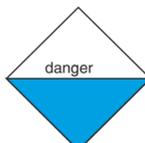
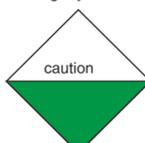
### Vision:

To be a leading company to make available innovative but safe crop protection remedies to customers which make life better & safer.



Pesticides toxicity symbols denote toxicity to human beings and animals

## warnings symbols

Extremely toxic 	<b>Category - I</b> Keep out of the reach of children. If swallowed or if symptoms of poisoning occur, call physician immediately. Ld 50 (oral) (mg/Kg) 1 to 50
highly toxic 	<b>Category - II</b> Keep out of the reach of children. Ld 50 (oral) (mg/Kg) 51 to 500
moderately toxic 	<b>Category - III</b> Keep out of the reach of children. Ld 50 (oral) (mg/Kg) 501 to 5000
slightly toxic 	<b>Category - IV</b> Keep out of the reach of children. Ld 50 (oral) (mg/Kg) more than 5000

### सूचना :

- उत्पादन का प्रयोग करने से पूर्व प्रत्येक पैक के साथ उपलब्ध उपयोग संबंधी निर्देश, सावधानियों, विषहार औषधि प्रयोग आदि सभी निर्देशों को ध्यानपूर्वक पढ़ें और पालन करें।
- एक एकड़ के लिए घोल तैयार करते समय पानी की मात्रा २००-५०० लीटर रखें। पानी की मात्रा फसल की स्थिति व कीटों की संख्या पर निर्भर करती है।
- रसायन का प्रयोग करते समय सभी सुरक्षित वस्त्र जैसे रबड़ के दस्ताने, ऐनक, मास्क व बूट आदि का प्रयोग करना चाहिए। छिड़काव को हवा की दिशा में करें। छिड़काव करते समय कुछ खाना-पीना एवं धूम्रपान वर्जित है। ठंढें व शुष्क स्थान पर, बच्चों की पहुंच से दूर रखें।
- इन उत्पादों का इस्तेमाल हमारे नियंत्रण से बाहर है इसलिए इनकी एक समान गुणवत्ता के अतिरिक्त हमारी कोई और जिम्मेदारी नहीं है।

## INSECTICIDES

### KATASH

**Lambda cyhalothrin 5% EC** is a new generation photostable pyrethroid insecticide for the control of a broad spectrum of both chewing and sucking insect pests in Cotton, Rice, Brinjal and Tomato. It is one of the more potent compounds ever to be commercialised and offers excellent cost-effective crop protection as part of most management systems including IPM.



### KATASH+

**Lambda cyhalothrin 4.9% Capsule Suspension** is a capsule suspension formulation wherein the active ingredient is sealed in a tiny thin-walled capsules suspended in water and is released only when the spray deposit dries on the target pest and leaf surface. It is recommended for the control of bollworms in cotton.

### NISTARA+

**Pyriproxyfen 10% + Bifenthrin 10% EC** is a combination of insect growth regulator and a pyrethroid. The combination product offers multi-action control of whitefly pest in cotton crop. It directly kills nymphal stage of the pest as well as inhibits reproductive capacity of the adult pest due to growth regulating activity of pyriproxyfen. Adding bifenthrin, leads to the knock-down kill of adult whitefly pest, thus giving complete control at both the stage of whitefly. It also prevents further buildup of the pest.



### Nistara

**Bifenthrin 10% EC** is a broad spectrum insecticide having contact and stomach action against bollworm and sucking pests white fly in cotton and leaf folder, green leaf hopper and stem borer in rice and termites in sugarcane.

## INSECTICIDES



### NICHLORO

**Chlorpyrifos 20% EC** is recommended to control hispa, leaf roller, gall midge, stem borer of Paddy, aphid, boll worms, whitefly & cut worm of cotton, aphid of mustard and insects of sugarcane, gram, groundnut, vegetables, fruits and to control termite in building and wood.



### NICHLORO +

**Chlorpyrifos 50% EC** is recommended to control termites in buildings, during construction and in existing buildings, control stem borer & leaf roller in rice and bollworm in cotton.

### NICHO-505

**Chlorpyrifos a.i. 50%+Cypermethrin a.i. 5% E.C.** is an insecticide which is used for the control of American Bollworm, Spotted bollworm, pink boll worm, spodoptera litura and sucking insect apests like Aphid, Jassid, Thrips and white fly.



### NICHTAP

**Cartap Hydrochloride 4% GR** is recommended to control of stem borer, leaf folder and whorl maggot on rice crop.

## INSECTICIDES

### NICATARA

**Thiamethoxam 25% WG** is broad spectrum systemic insecticide having quick stomach and contact activity and is recommended for its use to control Stem Borer, Gall midge, Leaf Folder, Brown Plant Hopper (BPH), White Plant Hopper (WBPH), Green Leaf Hopper (GLH), Thrips in Rice as well as Aphids, Jassids, Thrips and whiteflies in Cotton.



### NICATARA+

**Thiamethoxam 30% FS** is recommended as seed treatment to control Jassids, aphids and whitefly in cotton, shoot fly on sorghum and maize, termites in wheat, jassid in okra, thrips, GLH and whorl maggot in rice and jassid and thrips in sunflower crops.

### NICATARA GOLD

**Thiamethoxam 75% w/w SG** is recommended for the control of following pests in groundnut, sugarcane, rice and cotton.



### NIFIPRO

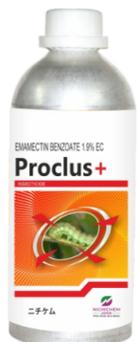
**Fipronil 0.3% GR** is used for the control of stem borer, brown plant hopper, green leaf hopper, rice leaf folder, gall midge, white backed plant hopper and whorl maggot of paddy and early shoot borer and root borer in sugarcane.

## INSECTICIDES



### PROCLUS

**Emamectin Benzoate 5% SG** is recommended for the control of bollworms on cotton, fruit and shoot borer on okra, Diamond back moth on cabbage, fruit borer, thrips and mites on chilli, fruit and shoot borer on brinjal, pod borer on redgram and chickpea, thrips of grapes.



### PROCLUS+

**Emamectin Benzoate 1.9% EC** is recommended to control bollworms in cotton crop.

### LECCY+

**Tebuconazole 6.7% + Captan 26.9% w/w (8%+32% w/w) SC** is a suspension concentration containing tebuconazole 6.7% (a.i) and captan 26.9% (a.i) in the formulation. It is used for the control of powdery mildew, Alternaria leaf spot/blight and scab on Apple powdery mildew and anthracnose on Chilli.



### NASHI-9

**Dinotefuran 20% SG** acts as an effective contact-stomach poison to control various insect pests of mango. It has a good residual foliar activity and has a low hazard to mammals. In mango spray. **Dinotefuran 20% SG** solution to a point when spray start to drip, start spraying when infestation appears at a volume of 100 liters for effective control of insect pests. It is toxic bees. Avoid application when mangoes are in full bloom.

## INSECTICIDE/ HERBICIDES

### NIGEN GR

**Chlorantraniliprole 0.4% w/w GR** is recommended to control stem borer and leaf folder of Rice; early shoot borer and top borer of Sugarcane crop.



### NIGEN SC

**Chlorantraniliprole 18.5% w/w SC** is a broad spectrum insecticides used for the control of insect pests of rice, cabbage, cotton and sugarcane. Rice (Stem borer and leaf folder) , Cabbage ( diamond back moth ) , Cotton (America boll worm , spotted boll worm, tobacco caterpillar) , Sugarcane(Termite, early shoot borer, top shoot borer), Tomato (Fruit borer), Soybean (Green semiloopers, stem fly, Girdle beetle), Brinjal (Fruit and shoot borer), Pigeon Pea (Gram pod borer, pod fly).

### DEGUCHI+

**Pendimethalin 38.7% CS** is a selective herbicide for use in soybean, which controls susceptible annual grasses and broad leaf weeds as they germinate pendimethalin 38.7% CS does not control perennial of well established weeds.



### NAZNIN

**Atrazine 50% WP** is a pre-emergence herbicide & translocated both by roots and foliage. It is applied as per emergence herbicide for annual grasses and broadleaf weeds in crops (maize, sugarcane). It kills the weeds soon after emergence or when weeds are 2 to 3 leaf stage. It is effective against both annual grassy & broadleaf weeds.

## HERBICIDES



### NICHIFIT

**Pretilachlor 50% EC** is selective pre-emergence broad spectrum herbicides with excellent action against annual grasses, sedges and broad leaves weeds.



### NICHIFIT+

**Pretilachlor 37% w/w EW** is a selective pre-emergence herbicide that is recommended for the control of grasses, sedges and some broad leaf weeds in transplanted rice. It contains 37% of the active ingredient Pretilachlor which is equal to 400 g per litre of the formulation.

### GAGE

**2,4-D Amine Salt 58% SL** is recommended to control *Cyperus iria*, *Striga* spp, *Trianthema* spp., *Tridax procumbens*, *Digera arvensis* of sorghum, *Trianthema monogyna*, *Amaranthus* spp., etc of maize, *Chenopodium album*, *Asphodelus tenuifolius*, *Fumaria* spp, *Maliolus alba*, *Spergula arvensis* of wheat, *Eichhornia crassipes* of aquatic weeds and other weeds of sugarcane, Rice, Potato, Tea and non crop area.



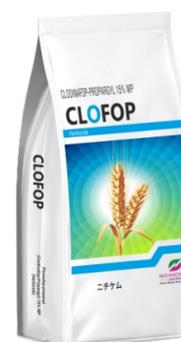
### PAHELI

**Pyrazosulfuron Ethyl 10% WP** is recommended for pre emergence control of sedges and broad leaf weeds like *Cyperus iria*, *Cyperus difformis*, *Fimbristylis miliacea*, *Alternanthera sessilis*, *Caesulia axillaris*, *Cynotis culcullata*, *Ludwigia parviflora*, *Marsilea quadrifoliata*, *Monochoria vaginalis* of transplanted rice.

## HERBICIDES

### NICSLFO

**Sulfosulfuran 75% WG** is a selective herbicide. It is effective control of *Phalaris Minor* and other listed weeds on one acre. Dicot crops like mustard, gram etc, should not be grown as intercrop in wheat.



### CLOFOP

**Clodinafop-Propargyl 15% WP** is a pre and post emergence herbicide belonging to Sulfonyl urea group for the control of *Phalaris minor* and some broad leaved weeds in wheat.

### PARTISAN

**Metsulfuron Methyl 20% WP** belongs to the latest technology sulfonylurea group of herbicides from Sairam. At a dose of just 8 grams per acre, Trigrip provides one shot control of wide range of broad leaf weeds in wheat. Trigrip is a post emergent herbicide and is applied to young actively growing weeds for best results.



### NIKOR

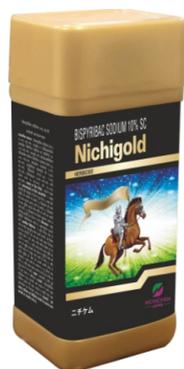
**Metribuzin 70% WP** is a selective herbicide recommended for the control of *Phalaris minor*, *Chenopodium album*, *Melilotus* spp. of wheat and *Cyperus campestris*, *Eragrostis* spp. *Digitaria* spp. *Cyperus esculentus*, *Borreria* sp. weeds in soybean crops.

## HERBICIDES / FUNGICIDES



### DEGUCHI

**Pendimethalin 30% EC** is recommended to control Phalaris minor, Chenopodium album, portulaca oleracea on Wheat and Echinochloa colonum Echinochloa crusgali, Euphorbia hirta, Altarmanthus virids, Eleusine indica. Trianthema spp., Portulaca oleracea, Fimbrisyliis miliaeceae, marsila quadrifoliata. Altarmanthus sessilis of Paddy, Cotton and Soyabean.



### NICHIGOLD

**Bispyribac Sodium 10% SC** is effective against grasses, sedges and broad leaved weeds in rice crop.

### LECCY

**Tebuconazole 10% + Sulphur 65% WG** (Water dispersible granule) is a effective fungicide with protective, creative and eradivative action. It controls powdery mildew, fruit rot diseases of chilli and leaf spot, pod blight disease of soyabean.



### NIQUAT

**Paraquat Dichloride 24% SL** is a non-selective herbicide which is recommended for imperata cylindrica, setaria sp. commelina benghalensis, boerhavia hispida paspa lurn conjubatum of tea and weeds of potato, coffee, cotton, rubber, sugarcane, rice, wheat, sunflower, grapes & aquatic weeds.

## FUNGICIDES

### NIPROP

**Propiconazole 25% EC** is a systemic fungicide and it is recommended for the control of diseases such as Karnal bunt & Rusts in wheat, Sheath Blight in Rice , Leaf Sort & Rust in Ground Nut , Blister Blight of Tea and Rust of Soyabean.



### NICHITOP

**Thiophanate Methyl 70% WP** is recommended to control powdery mildew of papaya and cucurbits, fusarium, wilt of pigeon pea, brown rusts and leaf blight of wheat, ring rot of tomato, anthracnose of bottle guard and scab of apples.

### XACARB

**Hexaconazole 4% + Carbendazim 16% SC** is a fungicidal combination, used for the control of blast and sheath blight disease on Rice crop.



### NISFUR

**Sulphur 80% WDG** used for the control of powdery mildew and scab on Grapes, Cowpea, Guar, Pea, Cumin, Apple & Mango Scab disease of apple. It is dry flow able water dispersable granules containing sulphur 80% w/w, balance ingredients, the particle size range from 2 to 6 microns, thus displaying a fine layer of active ingredient on sprayed crop resulting in enhanced efficacy.

## FUNGICIDES



### NAT-11

**Azoxystrobin 11% + Tebuconazole 18.3% ww SC** is a suspensible concentrate fungicide effective for control of Fruit rot, Die back and Powdery mildew in Chilli, Downy mildew, Powdery mildew in Grape, Scab (*Venturia inaequalis*), Powdery mildew (*Podospha leucotncha*) Premature leaf fall (*Marssonina coronaria*) in Apple, purple blotch (*Alternaria porri*) on Onion and sheath blight on rice crop. This formulation is equivalent to Azoxystrobin 12% + Tebuconazole 20% SC on w/v basis.



### TANJ-18

**Azoxystrobin 18.2% + Difenoconazole 11.4% SC** is recommended for the control of the following diseases: chilli (anthracnose and powdery mildew @ 0.03% a.i. or 0.1% formulation, phi = 5 days); tomato (early blight and late blight @ 0.03% a.i. or 0.1% formulation, phi = 5 days); paddy (blast & sheath blight @ 0.03% a.i. or 0.1% formulation, phi = 31 days); maize (blight & downy mildew @ 0.03% a.i. or 0.1% formulation, phi = 26 days); wheat (rust & powdery mildew @ 0.03% a.i. or 0.1% formulation, phi = 35 days).

### NI-CAHEXA

**Captan 70%+Hexaconazole 5% WP** is a contact fungicide used for the control of fruit rot (anthracnose) of Chillies and early & late blight of potato.



### NICXAL

**Tebuconazole 2% DS** is a systemic fungicide used as seed dressing for the control of loose smut & flag smut of wheat and collar rot, root rot and stem rot of groundnut only.

## FUNGICIDES

### NICXAL+

**Tebuconazole 25.9 EC** is a systemic fungicide containing 25.9% m.m. Tebuconazole Technical as active ingredient, balance auxiliaries and inert material. Tebuconazole 25.9% EC is used as foliar spray for the control of powdery mildew and fruit rot of chilli, tikka and rust of groundnut, blast and sheath blight of rice.



### NICXAL EASY

**Tebuconazole 5.36% w/w FS** is a systemic fungicide containing 5.36% w/w Tebuconazole active ingredient, balance auxiliaries and inert material. It contains 60 gram of Tebuconazole active ingredient per litre of formulation. It is used as seed treatment for the control of loose smut disease of wheat.

### NIVALID

**Validamycin 3% L** is an antibiotic for the control of rice sheath blight only.



### NICAMAN

**Carbendazim 12%+Mancozeb 63% WP** is recommended for the control of blast disease of paddy and leaf spot and rust diseases of groundnut.

## PGR (Plant Growth Regulator)



### TRI POWER

**Triacontanol 0.05% GR** is a Plant growth Regulator is recommended to increase the yield of crops like Cotton, Chillies, Rice, Tomatoes and Groundnuts.



### TRIPOWER+

**Triacontanol EW 0.1% Min.** is recommended to increase the yield of crops like rice, cotton, tomatoes, chillies and groundnut.



### NUTRIGOLD

**Gibberellic Acid 0.001% L** recommended for use in paddy, Cotton, Sugarcane, Groundnut, Brinjal, Bhindi, Grapes etc. for better yields.



### NIGIB+

**Gibberellic Acid 0.001% L** recommended for use in paddy, Cotton, Sugarcane, Groundnut, Brinjal, Bhindi, Grapes etc. for better yields.



## BIO FERTILIZERS

### MYDOST

**MYDOST** is a unique plant nutrition which provides all three essential nutrients Potassium, Magnesium & Sulfur combined into one mineral to growing plants in an ideal ratio. It is readily water soluble & immediately available to plants, which provide uniform distribution of nutrients, results in optimum production of crops when it is applied on tropical foliage plants, field and plantation crops.



### NICHICHEM MYMAN

**Manganese Sulphate 30.5% min.** is to remove manganese deficiency of potato, wheat, citrus, paddy, nurseries, maize, paddy, sugarcane, fruit crops and all other crops showing Manganese deficiency symptoms.

### INVOKE

**Invoke** is a unique blend of high potency Granular formulation impregnated and encapsulated with NPK bacteria, Root-networking biofertilizers, Humic acids, Sea weeds with inherent "In-Vitro" multistage fermentation growth elements with properties that they can easily get dispersed in soil and increase the water holding capacity of soils, acts like a massive root hair system, scavenging minerals, retaining water in the soils, fixing atmospheric nitrogen solubilizing and mobilizing soil phosphorus & potash by secreting organic acids thus making all major, secondary and micronutrients assimilated and available to the rhizosphere via roots and help plants grow better and makes plants resilient and able to resist drought.

**Compatibility:** **INVOKE** can be used with all biological and chemical inputs applied in crops.



### INVOKE-Zn

**Invoke-Zn** deficiency is most prevalent in intensely cropped light textured alkaline soils. About 96-99% of the exogenously applied zinc is converted into different insoluble forms viz: zinc phosphate, zinc sulphide etc. Within 7 days of application. Zinc helps in formation of enzyme systems and development of shoots. Zinc deficiency results in reduced membrane integrity and reduction in synthesis of carbohydrates, auxin, chlorophyll and increased susceptibility of heat stress. **Mode of Action:** **INVOKE-Zn** contains bacterial cells capable of producing various organic acids in a soil medium and convert the insoluble complexes of zinc into available forms for better plant growth by lowering the soil pH & breaking down the complexity & increase the crop yield and soil health. Availability of phosphate is also accelerated by **INVOKE-Zn**.

## BIO FERTILIZERS



### NICE Zn

Zinc EDTA Chelated 12% (Zinc EDTA chelated 12%) is used as a fertilizer to overcome zinc deficiency as well as source of those plants which requires zinc for their normal growth development and high yield.



### NICHICHEM Zinc-700

**Zinc Oxide Suspension Concentrate 39.5 Zn** contains an advanced surfactant/suspension system to ensure rapid and even dispersion in the spray tank and superior adhesion to plant foliage. Zinc is used by plants in conjunction with other essential nutrients for stimulation of various enzymes, its deficiencies severely interferes with the process of photosynthesis in plants.



### ROOT ZONE+ ULTRA (Mycorrhiza)

- Helps in Profuse, Rapid & extensive root development on all crops.
- Increased uptake of Phosphorus & other nutrients.
- Imparts tolerance to stress.
- Improves soil structure & better seedling establishment.
- More tillering, Higher yield and better quality produce.



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## BIO FERTILIZERS

### MYGARD-P

- A Rhizobacterium biocontrol agent effectively controls fungal and bacterial pathogens e.g. Sheath blight, Blast in paddy; Wilt in cotton etc.
- Make plants stronger and resistant to diseases.
- Based on plant growth promoting rhizobacteria.
- Secrete Auxin, gibberellins and cytokinins for better growth.



### MYGARD-T

**MyGard-T** is a high potency effective biological fungicide having conidial spore and mycelial fragments of the selective strain of antagonistic fungus *Trichoderma viride* in highly micronized powder form in 250gm pouch having  $2 \times 10^8$  colony forming units (CFU) /gm for suppression of various seed and soil borne diseases caused by fungal pathogens such as *Pythium* spp., *Rhizoctonia solani*, *Fusarium* spp., *Botrytis cinerea*, *Sclerotium rolfsii* and *Sclerotinia homoeocarpa* causing root rot, root wilt, seedling rot and collar rot diseases in all crops.



### NICHICHEM FERROUS-19

**Benefits :** • It is essential for crop growth and food production. • It is heavily involved for the process of creating chlorophyll. • It is essential for protein synthesis and helps to form certain respiratory enzyme system. • It is involved in some enzymatic functions that help to promote the transfer of energy necessary for the plant to survive. • Enhances the absorption of other nutrients from the soil. • Increases the quality and quantity of the produce.



## STICKER SPREADER



### SIL-TOP

**Sildrop** is a silicon based spray adjuvant which reduces the surface tension and gives super spreading. The biological performance of crop protection products gets significantly enhanced by superior wetting of hydrophobic surfaces, in particular leaves and other plant parts, better uptake through penetration of cuticular waxes and stomatal flooding. Prevents wastage of pesticide while spraying, even after using less pesticide the results are more hopeful.



### WIPEOFF-100

**Wipeoff-100** reduces the surface tension of water thereby helping inputs in the areas of fast and uniform coverage of Agrochemicals on leaf surface, enhances their sticking properties and increases the activities through fairly good penetration.

