



## BHEEM

Self Propelled Machineries

## Ishan

Farm Implements

## Greenfield®

Tractor Drawn Implements

## HAWK

Special Process Machines,  
Waste Management Machineries

## COCO

Coco peat and  
Substrates for soil-less farming

FROM TILLING TO HARVESTING  
POWERING ALL YOUR NEEDS!



## ONE STOP SOLUTION FOR INNOVATIVE AGRI IMPLEMENTS

GAIN Agro Innovations private limited has been a versatile manufacturer of multi category agricultural equipments, machineries and produces. GAIN has visioned to bring all the agricultural machinery and produce requirements under single roof to provide ONE STOP SOLUTION for all the agri-industry needs. With distinguished product quality and service quality, we aim to cater the domestic and international markets and support the farming activities thereby enhancing mechanization of the industry and to have better socio-economic growth for the end user as well as the nation.

Being, the most famous industry among all, agriculture and allied activities have become technology implemented and mechanized to extent in this millennium which we foresee there is much to grow in this sector. In this regards, we bring to you the following series of products to cater to varied usage and needs.





## TILLING



BHEEM POWER TILLER  
BMT1400 DI



### Features :

- Durable REN Diesel Engine
- Easy Handling
- 6 Forward, 2 Reverse Gears
- Multi plate clutch

### Technical Specifications

|                    |                            |
|--------------------|----------------------------|
| Model              | BMT 1400DI                 |
| Engine power       | 8.3 kw                     |
| Fuel               | Diesel                     |
| Rotovator Speed    | 320 R.PM                   |
| Weeding Distance   | 600 mm                     |
| No. of Blades      | 20                         |
| Transmission Gears | 6 Forward & 2 Reverse      |
| Starting Method    | Hand Cranking              |
| Weight             | 390 Kgs.                   |
| Overall Dimensions | L 2950 x W 850 x H 1240 mm |

- Oil Lubricated Gearbox
- 2 Speed Rotovator
- Suitable for all Wet land &
- Dry land operations



# BHEEM

SERIES



BHEEM POWER TILLER  
BMT 1200DI



### Features :

- Durable REN Diesel Engine
- Easy Handling
- 6 Forward, 2 Reverse Gears
- Multi plate clutch Electric Start
- Oil Lubricated Gearbox

### Technical Specifications

|                    |                            |
|--------------------|----------------------------|
| Model              | BMT 1200DI                 |
| Engine power       | 7.9 kw                     |
| Fuel               | Diesel                     |
| Rotovator Speed    | 375 R.PM                   |
| Weeding Distance   | 600 mm                     |
| No. of Blades      | 16                         |
| Transmission Gears | 6 Forward & 2 Reverse      |
| Starting Method    | Recoil & Electric          |
| Weight             | 338 Kgs                    |
| Overall Dimensions | L 1850 x w 600 x H 1200 mm |

- 2 Speed Rotovator
- Suitable for all Wet land &
- Dry land operations



## PLANTING

BHEEM TRANSPLANTER  
BMP 350



### Technical Specifications

|                       |                       |
|-----------------------|-----------------------|
| Model                 | BMP 350               |
| Engine power          | 163 cc                |
| Fuel                  | Petrol                |
| Type                  | 4 - Row walk behind   |
| No. of Gears          | 2 Forward & 1 Reverse |
| No. of Planting Rows  | 4                     |
| Distance Between Rows | 30 Cm                 |
| Seeding type          | Seedling Mat          |
| Seedling Height       | 10 to 25 cms          |
| Operation Efficiency  | 0.22 - 0.52 (acre/hr) |

### Features :

- Durable Ren Petrol Engine
- Easy Handling
- Shaft Drive System
- Hydraulic System
- 4 - Row Transplanter

# WEEDING

# BHEEM SERIES



BHEEM MARVEL WEEDER  
BMT 1000DE



## Technical Specifications

|                    |                            |
|--------------------|----------------------------|
| Model              | BMT 1000DE                 |
| Engine power       | 7.9 Hp @ 3000 R.P.M        |
| Fuel               | Diesel                     |
| Rotovator Speed    | 375 R.P.M                  |
| Weeding Distance   | 600 mm                     |
| No. of Blades      | 16                         |
| Transmission Gears | 6 Forward & 2 Reverse      |
| Starting Method    | Recoil & Electric          |
| Weight             | 330 Kgs                    |
| Overall Dimensions | L 1850 x w 600 x H 1200 mm |

## Features :

- Durable REN Diesel Engine
- Easy Handling
- 6 Forward, 2 Reverse Gears
- Multi plate clutch Electric Start
- Oil Lubricated Gearbox
- 2 Speed Rotovator
- Suitable for all Wet land & Dry land operations



BHEEM EXCEL WEEDER  
BMT600 D



## Technical Specifications

|                    |                            |
|--------------------|----------------------------|
| Model              | BMT 600D                   |
| Engine power       | 5.5 Hp @ 3000 R.P.M        |
| Fuel               | Diesel                     |
| Rotovator Speed    | 375 R.P.M                  |
| Weeding Distance   | 420 mm                     |
| No. of Blades      | 12                         |
| Transmission Gears | 2 Forward & 1 Reverse      |
| Clutch             | Multi Plate Dry Type       |
| Weight             | 119 Kgs                    |
| Overall Dimensions | L 1500 x w 500 x H 1100 mm |

One Machine for  
All your Farming Needs!

## Features :

- Durable REN Diesel & Petrol Engine
- Rotatable Handle
- 2 Forward 1 Reverse Gears
- Multi plate clutch
- Oil Lubricated Gearbox
- Oil bath Air Cleaner
- High Speed Rotavator
- Suitable for Weeding in 2 ft crops like vegetables, cotton, chilly, mulberry and for round about in coconut field.



BHEEM EXCEL WEEDER  
BMT 600 P



## Technical Specifications

|                    |                            |
|--------------------|----------------------------|
| Model              | BMT 600 P                  |
| Engine power       | 196 cc                     |
| Fuel               | Petrol                     |
| Rotovator Speed    | 375 R.P.M                  |
| Weeding Distance   | 420 mm                     |
| No. of Blades      | 12                         |
| Transmission Gears | 2 Forward & 1 Reverse      |
| Clutch             | Multi Plate Dry Type       |
| Weight             | 90 Kgs                     |
| Overall Dimensions | L 1500 x w 500 x H 1100 mm |

## WEEDING



BHEEM PIXEL WEEDER  
BM 200



### Technical Specifications

|                    |                          |
|--------------------|--------------------------|
| Model              | BM 200                   |
| Engine power       | 1.9 hp @ 6500 R.P.M      |
| Fuel               | Petrol with 2T oil mix   |
| Rotovator Speed    | 170 R.P.M                |
| Weeding Distance   | 380 mm                   |
| No. of Blades      | 18                       |
| Weight             | 21 Kgs                   |
| Overall Dimensions | L 980 x w 660 x H 970 mm |



### Features :

- Durable REN Engine
- Oil Lubricated Gearbox Easy Handling
- Highly Portable
- Height Adjustment
- Hardened Rotovator blades
- Suitable for Weeding in 1.5 ft & above crops like Cotton, chilly, Vegetables, Etc..



BHEEM  
BABY WEEDER BM 170



### Technical Specifications

|                    |                                  |
|--------------------|----------------------------------|
| Model              | BM 170                           |
| Engine power       | 1.75 hp @ 6500 R.P.M             |
| Fuel               | Petrol with 2T oil mix           |
| Rotovator Speed    | 170 R.P.M                        |
| Weeding Distance   | 9 Inches                         |
| No of Blades       | 8                                |
| Weight             | 17 Kgs                           |
| Overall Dimensions | L 830 x w 530 x H 900 mm         |
| Accessories        |                                  |
| Two Tyne Holder    | 12 inches weeding with 16 blades |



### Features :

- Durable REN Engine
- Oil Lubricated Gearbox Easy Handling
- Highly Portable
- Height Adjustment
- Hardened Rotovator blades
- Suitable for Weeding in 1 ft & above crops like Cotton, chilly, Vegetables, Etc..



BHEEM PADDY WEEDER  
BM175



### Technical Specifications

|                    |                             |
|--------------------|-----------------------------|
| Model              | BM 175                      |
| Engine power       | 1.75 hp @ 6500 R.P.M        |
| Fuel               | Petrol with 2T oil mix      |
| Rotovator Speed    | 170 R.P.M                   |
| Weeding Distance   | 250 mm STD                  |
| No. of Blades      | 12                          |
| Weight             | 18 Kgs                      |
| Overall Dimensions | L 1470 x w 735 x H 830 mm   |
| Accessories        |                             |
| Weeding Kit        | For 180,300 mm crop spacing |

### Features :

- Durable REN Engine
- Oil Lubricated Gearbox
- Easy Handling
- Highly Portable
- Suitable for Weeding in 20,25, & 30 cms of paddy

Worried about Weeds!  
No Worries when  
BHEEM is there!

## HAND TOOLS



BHEEM BRUSH CUTTER  
BM 33B & 43 B & 52 B



### Technical Specifications

| Model           | BM 33B                       | BM 43B  | BM 52 B |
|-----------------|------------------------------|---------|---------|
| Engine power    | 0.9Kw                        | 1.25 Kw | 1.4 Kw  |
| Fuel            | Petrol with 2T oil mix       |         |         |
| Carburetor Type | Diaphragm Type               |         |         |
| Clutch System   | Automatic Centrifugal Clutch |         |         |
| Ignition Type   | Non Contact Electronic       |         |         |
| Weight          | 6.8 Kgs                      | 7.6 Kgs | 8 Kgs   |
| Blade           | Sure tap Head & 3T Blade     |         |         |

**BHEEM**  
SERIES

### Features :

- Durable REN 2 stroke Engine
- Low in vibration
- Offset bull handle
- Double harness cushioned straps
- Centrifugal clutch
- Easy Handling

BHEEM BACK PACK WEEDER  
BM 43 W



### Technical Specifications

| Model           | BM 43 w                      |
|-----------------|------------------------------|
| Engine power    | 1.25 Kw                      |
| Fuel            | Petrol with 2T oil mix       |
| Carburetor Type | Diaphragm Type               |
| Clutch System   | Automatic Centrifugal Clutch |
| Ignition Type   | Non Contact Electronic       |
| Weight          | 12Kgs                        |
| Blade           | roller type                  |

### Features :

- Durable REN 2 stroke Engine
- Low in vibration
- Double harness cushioned straps
- Centrifugal clutch
- Easy Handling

BHEEM CHAIN SAW



### Technical Specifications

| Model                   | BMCS 5200       | BMCS 6200 |
|-------------------------|-----------------|-----------|
| Engine power & 6000 rpm | 1.7 kw          | 2.2 kw    |
| Displacement            | 52 cc           | 62 cc     |
| Fuel Ratio              | 1000 ml : 25 ml |           |
| Fuel tank capacity      | 550ml           |           |
| Oil tack capacity       | 260 ml          |           |
| Chain oil grade         | SAE 10W - 30    |           |
| Maximum Cutting speed   | 1100 RPM        |           |
| Maximum cutting length  | 44 CM           |           |
| Weight                  | 5.50 kg         |           |

### Features :

- Durable REN 2 stroke Engine
- Easy Handling
- Oil Lubricated Gearbox
- Centrifugal clutch
- Low in Vibration

BHEEM EARTH AUGER



### Technical Specifications

| Model                   | BM 5200S                    | BMEA 630D |
|-------------------------|-----------------------------|-----------|
| Engine power & 6000 rpm | 1.46 kw                     | 2.2 kw    |
| Displacement            | 52 cc                       | 63 cc     |
| Fuel Ratio              | 1 Lt. : 40 ml               |           |
| Fuel tank capacity      | 1200ml                      |           |
| Ignition System         | Magneto                     |           |
| Carburettor             | Diaphragm                   |           |
| Clutch                  | Centrifugal Friction Clutch |           |
| Auger Bits              | 100,150, 200, 250, 300 mm   |           |
| Weight                  | 10 kg                       | 10.6 kg   |

### Features :

- Durable REN 2 stroke Engine
- Easy Handling
- Oil Lubricated Gearbox
- Centrifugal clutch
- Low in Vibration
- Single & Double Operator

## POST HARVESTING



BHEEM BAGGER  
BMB 400



### Technical Specifications

|                      |                        |
|----------------------|------------------------|
| Model                | BMB 400                |
| Engine power         | 163 cc                 |
| Fuel                 | Petrol                 |
| Collecting of Grains | Upto 80 kgs.           |
| Collector Engagement | Manual by Use of Lever |



**BHEEM**  
SERIES

### Features :

- Durable REN 4 stroke Engine
- Easy Handling
- Oil Lubricated Gearbox
- Centrifugal clutch
- Suitable for Collecting upto
- 80 Kg in Single time

## ENGINES (Petrol Engines)

The real power for all your powering needs

87 cc



REN PX80

118cc



REN PX120

163 cc



REN PX160

196 cc



REN PX200

420 cc



REN PX420

### Technical Specifications

| Model                         | PX80                                                 | PX120       | PX163       | PX196       | PX420       |
|-------------------------------|------------------------------------------------------|-------------|-------------|-------------|-------------|
| Engine power                  | 4 Stroke Overhead Valve, Single Cylinder, Air Cooled |             |             |             |             |
| Bore X Stroke                 | 54 x 38                                              | 60 x 42     | 68 x 45     | 68 x 54     | 90 x 66     |
| Displacement                  | 87                                                   | 120         | 163         | 196         | 420         |
| Ignition System               | TCI Transistorized Ignition                          |             |             |             |             |
| Lubrication Mode              | Splash                                               |             |             |             |             |
| Compression Ratio             | 8                                                    | 8.5         | 8.5         | 8.5         | 8.3         |
| Spark Plug Gap                | 0.70 - 0.80                                          |             |             |             |             |
| Overall Dimensions LxWxH (mm) | 300x290x280                                          | 340x205x320 | 360x320x335 | 365x320x337 | 450x405x443 |
| Net. Weight (Kg)              | 11                                                   | 13          | 15          | 16          | 31          |

### Features :

- Durable Ren 4 Stroke Engines
- OHV
- Rewind Start / Electric Start
- Dual Air Filter or Oil Bath Air Filter
- Oil Level Switch
- Easy Start
- Transistorised Ignition



Light duty rotary tillers are very common and preferred among the farmers of India. This can be used with tractors ranging from 35 ~ 50 HP. Ishan RT is capable of tilling across almost all the soil categories. Suggested for regular farming, small sized operations in paddy, wheat, dry, semi-dry, wet land conditions as well. ISHAN manufacture the following range of single speed and multi speed light duty rotary tiller machines.

SSLD 150



**Specifications :**

- Tractor HP : 35-40 HP
- Number of flanges : 6
- Number of blades : 36
- Weight : 370 Kgs
- Input RPM : 540 / 1000
- Transmission : Gear drive

SSLD 180



**Specifications :**

- Tractor HP : 35-40 HP
- Number of flanges : 6
- Number of blades : 36
- Weight : 400 Kgs
- Input RPM : 540 / 1000
- Transmission : Gear drive

Champ series rotary tiller machines are specially designed and manufactured for tilling banana plantations. Champ 150 is a common model of the champ series among our farming community. This machine can be used in medium ~ large sized banana variety fields. This machine can be used with tractors ranging 60~70 HP

CHAMP 150



#### Specifications :

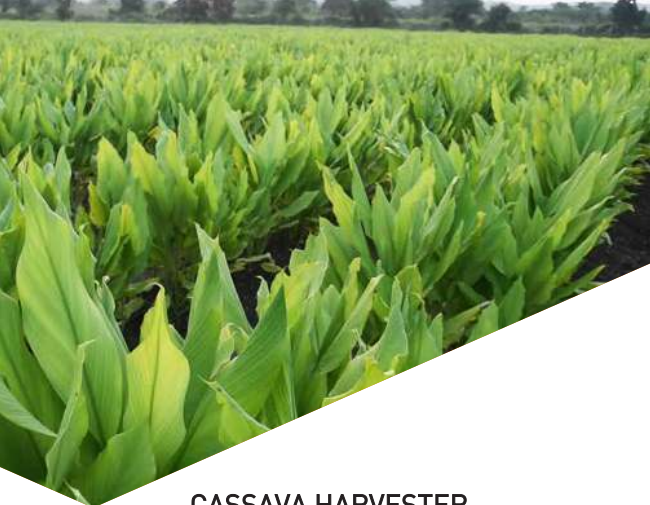
- Tractor HP : 60-70 HP
- Number of flanges : 6
- Number of blades : 42
- Weight : 640 Kgs
- Input RPM : 540 / 1000
- Transmission : Gear drive

Balers ensured that straw is converted into a commodity and is the last mile income for the farmer. Depending on the model, these balers can bale rice straw, wheat straw, corn harvest residue, sugarcane harvest waste and cotton stalks. Our round straw balers use environmentally friendly organic jute twine to bind the bales making it ideal for cattle fodder as well as other applications like mushroom farming, paper industry, fuel briquettes and for power generation.



#### Features :

- Auto lubrication system
- Bale counter
- Heavy duty frame structure & roller
- Bale density adjuster
- Pick-up height adjuster
- Extra heavy duty roller chain



**CASSAVA HARVESTER**



- Suitable for 50 +HP Tractors
- Double row in 1.2 to 1.5 meter crop spacing
- Adjustable Row Spacing
- Depth control wheels at rear

**TURMERIC /  
POTATO DIGGER**



- Higher digging efficiency and less damage to the turmeric rhizomes
- Modular design eases the job, Transportation & Storage
- Convertible with coulter and knife for potato harvesting
- Less power required 40 hp+
- Collection Bin at rear can be attached

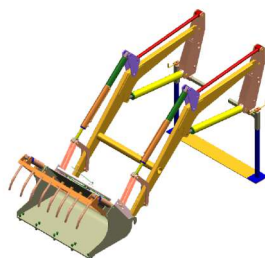
**TALL TREE SPRAYER  
TRACTOR PTO OPERATED**



- Suitable for Mini & Standard Tractors.
- Utilization of the farm tractor.
- Multi usage of the sprayer.
- Maximum height with special jet.
- More productivity less expenses.



## DETACHABLE FRONT END LOADER (Attachment)



Our loader attachments are easier to learn, easier to operate. Whatever you expect, you will get it highest performance and reliability for mildest applications. Robust construction for longer life and high economy.

### Features :

- Low cost
- Robust sliding upright framed loader for 2 wheel drive tractors
- Quickfit attachment for enhanced utility of tractor
- Ergonomic location of operating system
- Ideal for handling grains, manure, soil, garbage and blue metal...

## INCLINED PLATE PLANTER



Tractor mounted 6-row inclined plate planter is a multi-crop planter for planting of both, bold and small seeds which cannot be sown by conventional seed drills. This planter is suitable for sowing of bold seeds like ground-nut, maize, Kabuli gram, etc. and very small seeds (mustard, sorghum, etc).

The planter is also suitable for sowing of intercrops. It has six modular design seed boxes with independent inclined plate type seed metering mechanism. Seed plates for sowing different seeds can be selected and easily changed.

## DOZER BLADE (Attachment)



### Features :

- Quickfit attachment for enhanced utility of tractor
- Welded construction for strength & torque under strain of unbalanced loads
- Tractor hydraulic system supports dozer operation
- Ergonomic location of operating system
- Lower fuel consumption & lesser maintenance

## ELLIPTICAL MILD STEEL WATER TANKER



Water tanker is designed to carry and transfer water by pump also incase it is demanded it is used for road cleaning purposes.

It can be elliptical, cylindrical shape and is made of sheet metal or stainless steel.

There is a manhole on the top of the tank ( 500mm diameter) there are sufficient amount of baffles. Ventilation unit which helps the release of excess air and water inside.

There is a ladder at the rear and catwalk on the tank.



## Mono Shaft Shredders



### Variants :

2HP, 3HP, 5HP, 10HP, 15HP, 20HP, 30HP

Also available in two stage shredding model

Blade options : EN8, EN42J, OHNS

MOC - MS ISI frame, powder coated MS sheets  
(optional - Stainless steel sheets)

### Applications :

Vegetable waste, household waste, Bio waste,  
Garden waste, Banana leaf, coconut husk

## Plastic Shredders



### Variants :

1HP, 2HP, 3HP, 5HP, 10HP,  
20HP, 30HP

### Applications :

PET, Shrink wraps, stretch  
wraps, Chairs, tables, PP etc.

## Dual Shaft Shredders



### Variants : 2HP, 3HP, 5HP, 10HP, 15HP, 20HP, 30HP

Available in double motor models also

**Blade options :** EN8, EN42J, OHNS

MOC - MS ISI Frame, powder coated sheet work

Automatic function control system with auto reverse  
controls to handle loading issues.

### Applications :

Market waste, arecanut leaf waste, banana leaf waste,  
function hall waste, wet vegetable waste, long stem waste,  
hard plastics, rubber etc.

Chicken Waste Shredder



Specially designed for shredding chicken waste and egg waste.

MOC – Stainless steel

Add ons :

1. Squeezer attachment for dewatering
2. Pulverizer for powdering of bone waste

Organic waste composting machine



Shredder waste is maintained in a calculated hot chamber to increase the decomposing rate thereby reducing the post processing time for compost production.

Available in range of 100 to 1500 Kgs/hr.

Method : Electric filaments with automatic function controllers.

Optional attachment to shredders.

Tractor Operated Shredder cum pulverizers



Available for 35HP tractor onwards

### Applications :

Coconut plantations, banana plantations, stems, dry trunks in fields etc.

## Grain Dryers

Stand alone multi grain dryer



Mobile Multi Grain Dryer



Drying has been effective way to increase shelf life of paddy, rice, maize, cereals and millets etc.

It has been practiced by sun drying, steam drying etc which are either laborious or expensive infrastructure or requirement of larger volumes for cycles. On observation of these back logs and credentials to grain drying, we have developed a mobile grain drying tractor powered machine that is in all ways efficient and supportive to the process.

Principle : Radial Counter Flow Hot Air Drying

Fuel options : Gasoline (light oil), LPG

Flexible Screw Conveyors





Coco Peat Blocks - 5kg



## Technical Specifications

| Model                   | Washed (Low EC)<br>Coco peat | Unwashed (Low EC)<br>Coco peat |
|-------------------------|------------------------------|--------------------------------|
| Electrical Conductivity | < 0.5mS/cm                   | < 0.5mS/cm                     |
| pH                      | 5.5 to 6.5                   | 5.5 to 6.5                     |
| Weight                  | 5 kgs per Block              | 5 kgs per Block                |
| Dimension               | 20x20x10-14 (cms)            | 30x30x10-14 (cms)              |
| Moisture                | Less than 20%                | Less than 20%                  |
| Rehydration Volume      | 14 to 15 ltrs. per kg        | 14 to 15 ltrs. per kg          |
| Compression Ratio       | 1:5                          | 1:5                            |
| Impurities              | <3%                          | <3%                            |

## Applications :

Growing Medium, Potting Soil, Horticulture, Floriculture, Green house Farming, Hydroponics, Gold Courses, Landscapes etc.,

Coco Peat Grow bags



## Specifications :

Mix : Cocopeat 50% Husk 50%  
(Can be customized as per requirements)  
Electrical Conductivity  $\leftarrow$  1mS/cm  
pH : 6 to 7, Moisture : Less than 20%

## Applications :

Growing Medium, Potting Soil, Horticulture, Floriculture, Green House Farming, Hydroponics, Gold Courses, Landscapes etc.,

Buffered Coco Peat Blocks



## Technical Specifications

| Model                   | Washed (Low EC)<br>Coco peat |
|-------------------------|------------------------------|
| Electrical Conductivity | < 0.5mS/cm                   |
| pH                      | 5.5 to 6.5                   |
| Weight                  | 5 kgs per Block              |
| Dimension               | 30x30x10-14 (cms)            |
| Moisture                | Less than 20%                |
| Rehydration Volume      | 14 to 15 ltrs. per kg        |
| Compression Ratio       | 1:5                          |
| Impurities              | <3%                          |

## Applications :

Tissue Culture replanting to trays,  
Seed plug preparation,  
Growing medium

## Coir fibre Products



Cocopots are biodegradable cultivation pots made from Coconut fibres. It has multiple uses - in horticulture, in ornamental plant cultivation, vine and tree nurseries and in domestic gardening. Coco Pots has exceptionally high permeability to water, air and roots. Coco Pots enables faster cultivation, excellent root system and re-establishment without any shock from transplanting.

### Features :

- Produced from rubberised coir (Natural rubber latex & Coir fibre)
- 100% Non GMO, Bio-degradable, Environment friendly product
- Suitable for nurseries as well as domestic gardening
- Supports better plant growth compared to plastic due to better root aeration
- Faster growth & less fertilizer usage owing to minimal weed growth
- Bio-degradability allow plants to be planted on the ground including the pot.
- Root cause deformations can be avoided
- Available in varying shapes and sizes
- Available for Light Duty & Heavy Duty
- Contains no animal ingredients





Manufactured by:

GAIN Agro Innovations Private Limited

Regd. Off:

No 23/2, Papammal Layout, Papanickenpalayam,  
Coimbatore - 641037. Tamilnadu, INDIA

E-mail : [letsgain@gainagri.com](mailto:letsgain@gainagri.com)

Web : [www.gainagri.com](http://www.gainagri.com)

Contact person :

Mr. Kadir Muthusamy - Director - +91 94883 72696

Mr. Rajkumar Arumugam - Director - +91 9944241360