

SUSPENSION CONCENTRATES & SPECIALITY FERTILIZERS RANGE

Jaipur Bio Fertilizers is a Modern Agriculture Company. We develop products and systems to help farmers around the world grow crops while using the best of the inputs efficiently. We believe Organic Inputs has the potential to bring humanity's needs in balance with the resources of our planet.

Jaipur Bio Fertilizers was established in the year 1996 under the guidance of Mr. M.L. Gupta, during that time it was one of India's First Bio Fertilizers company. Since then the company has diversified into multiple categories of Agriculture Inputs. The company's policy is to provide the best of the products and never compromise with the quality, which is evident from regular sample tests of the products at Government level from time to time.

We are launching New Range of Suspension Concentrates & Speciality Fertilizers; **Jaipur Bio Fertilizers is India's First Company to Launch the complete range of Suspension Concentrates & Specialty Fertilizers.** Product Range is as follows:

S.No	Brand Name	Technical Product	Grade
1.	ZINCO700	Zinc Oxide 39.50% SC	FCO Grade
2.	BORO POWER	Boron 10% EC	FCO Grade
3.	CALCIKING	Calcium Concentrate 11%	FCO Grade
4.	OSAMIN200	Ortho Silicic Acid 2%	FCO Grade
5.	FRUITAMIN	Calcium Nitrate Fortified with Magnesium	FCO Grade
6.	ARYAN	N P K 00-31-21	WSF Fertilizer
7.	K-30	N P K 05-00-30	WSF Fertilizer
8.	MAURYA	N P K 10-08-18	WSF Fertilizer
9.	MAYAN	N P K 13-13-13	WSF Fertilizer
10.	PLANTIS	N P K 05-00-23	WSF Fertilizer
11.	SULFO-40	Sulphur 40% SC	CIBRC Grade
12.	SULFO -55	Sulphur 55.16% SC	CIBRC Grade

ZINCO₇₀₀



(ZINCO 700 SC)

Technical Specification	
Zinc content	39.5% (w/w)
pH	9.0±1
Specific Gravity	1.71 To 1.75
Colour	White to Milky White
Form	Liquid
Dose	1.5 ml/Liter

Benefits:

- ZINCO₇₀₀ takes part in N metabolism and stimulates amino acid to produce proteins.
- ZINCO₇₀₀ contains 39.5% min Zn, which is more than any other form of Zinc Nutrition.
- ZINCO₇₀₀ is stable suspension concentrated formulation and helps to form enzymes which regulate the plant life.
- Excellent product for decreasing zinc deficiency in short time.
- Recommended for organic farming.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	1.50 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	1.25 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	1.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	1.25 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 1-2 Liter ZINCO₇₀₀ in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of ZINCO₇₀₀ and stir properly and then add the remaining water to form correct dilution

BORO POWER



(Boron 10% EC)

Technical Specification	
Boron (B) Content	10% (w/w)
pH	7.5
Specific Gravity	1.54
Colour	Light Yellow
Form	Liquid
Dose	0.5ml - 1ml/Liter

Benefits:

- **BORO POWER** plays main role for the growth and development of the plant without sufficient boron, new growth is stagnated.
- **BORO POWER** is necessary for maintaining a balance between sugar and starch.
- **BORO POWER** helps to accomplish deficiencies in a wide range of crop like cracking and disfigurement of skin, poor flowering and fruit set.
- **BORO POWER** is necessary in the pollinating a balance production stages.
- Recommended for organic farming.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	1.25 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	1.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	1.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	1.50 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 1.5 Liter **BORO POWER** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **BORO POWER** and stir properly and then add the remaining water to form correct dilution.

CALCIKING



(Calcium Concentrate 11%)

Technical Specification	
Calcium Content (Ca)	2.0 (min.)
pH	1.7 – 2.2
Specific Gravity	0.5 (max.)
Colour	1.07 – 1.15
Form	0.10 (max.)
Dose	4.00 (max.)

Benefits:

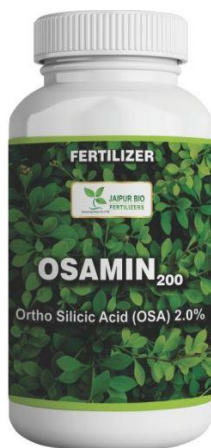
- **CALCIKING** is highly free flowing formulation with excellent crop safety and allows higher calcium input to be available to the plant
- **CALCIKING** is the main transporter of nutrients to the plant.
- **CALCIKING** is applied during flowering stage and it stimulates internal chemical pathways which promote fruit set, resulting in increased fruit yields.
- **CALCIKING** makes the cell wall strong, which increases resistance to pests & disease.
- The product is specifically formulated to provide maximum crop safety.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	1.50 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	1.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.00 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	1.50 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 2 Liter **CALCIKING** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **CALCIKING** and stir properly and then add the remaining water to form correct dilution.

OSAMIN₂₀₀



(Ortho Silicic Acid (OSA) 2.0%)

Technical Specification	
Ortho Silicic Acid [Si(OH) ₄]	11% (w/w)
pH	1.3 – 1.4
Insolubility in water	1.4
Specific Gravity (g/m)	Light Orange
Sodium (as Na)	Liquid
Chloride (as Cl)	1ml/Liter

Benefits:

- One of the main functions of **OSAMIN₂₀₀** (OSA) is improving the plants growth and yield, especially in stress conditions. To achieve plant tolerance in stress conditions, Silicon promotes photosynthesis by favorably exposing the leaves to light without dehydration.
- **OSAMIN₂₀₀** regulates the uptakes of other minerals in plants.
- **OSAMIN₂₀₀** increases resistance to salinity and metal toxicity.
- **OSAMIN₂₀₀** enhance K/Na ration and alters ionic redistribution in both roots and leaves and thereby alleviates the salinity stress.
- **OSAMIN₂₀₀** will reinforce the plant tissues. The strengthened plant tissues will be more resistant to fungal and pest attacks.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	1.50 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	1.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.00 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	1.50 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 500 ml - 1 Liter **OSAMIN₂₀₀** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **OSAMIN₂₀₀** and stir properly and then add the remaining water to form correct dilution.

FRUITAMIN



(Calcium Nitrate Fortified with Magnesium)

Technical Specification	
Nitrogen as (N)	10.0% (min.)
Nitrate Nitrogen	8.5% (min.)
Water Soluble Calcium (CaO)	15.0 % (min.)
Water Soluble Magnesium (Mgo)	2.0% (min.)
Total Chloride (Cl)	2.5% (min.)
pH	8.0-9.0

Benefits:

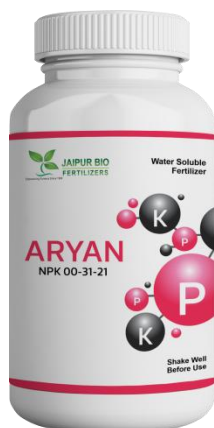
- **FRUITAMIN** is highly flowable formulation with excellent crop safety and allows higher calcium input to be made.
- Calcium is the main transporter of nutrients to the plant.
- **FRUITAMIN** is applied during flowering and these stimulate internal chemical pathways which promote fruit set, resulting in increased fruit yields.
- Calcium makes the cell wall strong, which increases resistance to pests & disease.
- The product is specifically formulated to provide maximum crop safety.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	1.50 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	1.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.00 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	1.50 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 2 Liter **FRUITAMIN** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **FRUITAMIN** and stir properly and then add the remaining water to form correct dilution.

ARYAN



(N P K 00-31-21)

Technical Specification	
Phosphorus (P ₂ O ₅)	31% (min.)
Potassium (K ₂ O)	21% (min.)
pH	5.5
Specific Gravity	1.5
Chloride	1.5% (max.)
Matter insoluble in water	0.5% (max.)
Sodium as (NaCl)	0.5% (max.)
Lead as (Pb)	0.003% (max.)
Chromium as (Cd)	0.0025% (max.)
Arsenic as (As)	0.01% (max.)

Benefits:

- This formulation promotes healthy roots and encourages root expansion and strong stems development.
- **ARYAN** is 100% soluble liquid and recommended after early leaf emergence until fruit set in all the crops.
- This formulation contents more percentage of phosphorus and potassium than any other typical liquid.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	2.00 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	2.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	2.00 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 2.5 Liter **ARYAN** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **ARYAN** and stir properly and then add the remaining water to form correct dilution.

K-30



(N P K 05-00-30)

Technical Specification	
Potassium (K ₂ O)	30% (min.)
Nitrogen as (N)	5% (min.)
pH	11±1
Bulk Density	1.48 – 1.58
Chloride	1.5% (max.)
Matter insoluble in water	0.5% (max.)
Sodium as (NaCl)	0.5% (max.)
Lead as (Pb)	0.003% (max.)
Chromium as (Cd)	0.0025% (max.)
Arsenic as (As)	0.01% (max.)

Benefits:

- **K-30** is helps in maximizing quality for fruits with greater flavour, colour and hardness.
- **K-30** allows the soil to naturally retain plant-usable nutrients.
- **K-30** helps the crop to fight diseases.
- **K-30** 100% soluble and available for crops.
- It also increases starch and sugar accumulation and makes fruit sweeter.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	2.00 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	2.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	2.00 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 1 Liter **K-30** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **K-30** and stir properly and then add the remaining water to form correct dilution.

MAURYA



(N P K 10-08-18)

Technical Specification	
Nitrogen as (N)	10% (min.)
Phosphorous (P ₂ O ₅)	08% (min.)
Potassium (K ₂ O)	18% (min.)
Sulphur as (S)	2.5% (min.)
Magnesium as (Mg)	1.25% (min.)
pH (1% Solution)	11±1
Bulk Density	1.4 - 1.5
Moisture	0.5% (max.)
Chloride	1.5% (max.)
Matter insoluble in water	0.5% (max.)
Sodium as (NaCl)	0.5% (max.)
Lead as (Pb)	0.003% (max.)
Chromium as (Cd)	0.0025% (max.)
Arsenic as (As)	0.01% (max.)

Benefits:

- **Maurya** can be used from vegetative growth till fruit setting.
- **Maurya** helps in increasing the branches.
- **Maurya** gives improved flower/fruits set and higher tolerance to environment stress.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	2.00 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	2.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	2.00 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 1 Liter **Maurya** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **Maurya** and stir properly and then add the remaining water to form correct dilution.

MAYAN



(N P K 13-13-13)

Technical Specification	
Nitrogen as (N)	13% (min.)
Phosphorous (P ₂ O ₅)	13% (min.)
Potassium (K ₂ O)	13% (min.)
Magnesium as (Mg)	1.25% (min.)
pH (1% Solution)	5±1
Bulk Density	1.5 – 1.6
Moisture	0.5% (max.)
Chloride	1.5% (max.)
Matter insoluble in water	0.5% (max.)
Sodium as (NaCl)	0.5% (max.)
Lead as (Pb)	0.003% (max.)
Chromium as (Cd)	0.0025% (max.)
Arsenic as (As)	0.01% (max.)

Benefits:

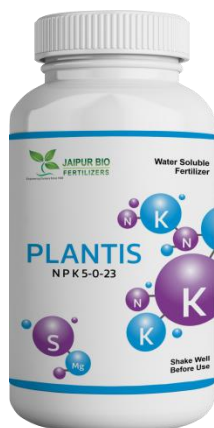
- **Mayan** produces greater root mass and green leaf area.
- **Mayan** gives improved flower / fruits set and higher tolerance to environmental stress.
- **Mayan** is used in the initial stage spray for green growth.
- It also develops tolerance toward abiotic stress.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	2.00 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	2.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	2.00 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 1 Liter **MAYAN** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **MAYAN** and stir properly and then add the remaining water to form correct dilution.

PLANTIS



(N P K 05-00-23)

Technical Specification	
Nitrogen as (N)	5% (min.)
Phosphorous (P ₂ O ₅)	23% (min.)
Sulphur as (S)	5.70%
Magnesium as (Mg)	2.3% (min.)
pH	5±1
Bulk Density	1.5 - 1.6
Moisture	0.5% (max.)
Chloride	1.5% (max.)
Matter insoluble in water	0.5% (max.)
Sodium as (NaCl)	0.5% (max.)
Lead as (Pb)	0.003% (max.)
Chromium as (Cd)	0.0025% (max.)
Arsenic as (As)	0.01% (max.)

Benefits:

- **PLANTIS** produces greater root mass and green leaf area.
- **PLANTIS** helps increase fruits size by 10-30%.
- **PLANTIS** increases the weight of Fruits & Vegetables.
- **PLANTIS** develops tolerance towards abiotic stress.

Foliar Application		
Crop	Dosages/1 Liter Water	Application Timing
General	2.00 ml	2-3 times at flowering stage and at fruit fill time.
Vegetable	2.50 ml	Flowering stage and at fruit fill time between 10-15 days.
Fruit	2.50 ml	3-4 times at fruit set, fruit development and fruit set.
Other Crop	2.00 ml	3-4 times at growth time and flowering time.

Drip Irrigation Application: 1 Liter **PLANTIS** in 1 Acre.

The Irrigation tank should be filled with half of the required amount of water. Measure the required amount of **PLANTIS** and stir properly and then add the remaining water to form correct dilution.

SULF-40



(Sulphur 40% SC)

Technical Specification	
Sulphur Content (S)	40%
pH	5 - 9
Colour	White - Pale Yellow Colour
Form	Liquid
Dose	1ml/Liter

Benefits:

- Fungicide, Acaricide & Growth Promoter
- Controls Powdery Mildew and Sulphur Deficiency of various crops
- Multi-site contact action Fungicide
- It has no scorching effect on tender leaves, berries or fruits. It is recommended to use in cucurbit crops also even when day temperature is higher.
- Saffron is nonreactive with other spray inputs thereby can be tank-mixed with any spray input.
- Recommended for organic farming.

After killing the spores, **SULFO - 40** gets converted into sulphide form on the surface of leaves and reacts with oxygen and gets converted into sulphate form (SO₄) which can easily be absorbed by the plant. **SULFO - 40**, because of its particles less than 3 micron, exerts activities very fast and as the fourth major crop nutrient, it gets converted into sulphate very fast. This is the key for enhanced activity of Sulphur 40% SC.

SULF-55



(Sulphur 55.16% SC)

Technical Specification	
Sulphur Content (S)	55.16%
pH	5 - 9
Colour	White – Pale Yellow Colour
Form	Liquid
Dose	1ml/Liter

Benefits:

- **SULFO - 55** has triple action on crop, offered SULFO – 55 can work as effective growth promoter, powerful fungicide and versatile acaricide.
- It increases Chlorophyll in plant & reduces yellowish color of plant.
- Multi-site contact action Fungicide
- Recommended for organic farming.

Dose: 500 to 700 ml per acre for Foliar Spray and 1 liter to 1.5 liter in soil application
