



IFB Nabajeeban Jaiba Sar
Organic Manure



Produced naturally from plant and animal biomass.
Give new life to your soil with IFB Organic Manure.



Turning Benefits

- Reduces time and labour
- Mixes the materials thoroughly
- Produces uniform organic manure

IFB NABAJEEBAN JAIBA SAR—ORGANIC MANURE THE ROOTS OF SOIL FERTILITY AND PRODUCTIVITY

IFB Organic Manure is dark brown in colour, almost granular in nature and is produced from plant biomass and animal excreta through microbial decomposition. It contains no pathogens and has no foul odour. IFB Organic Manure is helpful in the development of the physical, chemical, physicochemical and biological properties of soil. It is a plentiful source of carbon and essential plant nutrient, thereby contributing to soil fertility and sustainable agriculture, in order to keep farmers smiling for years.



**IFB Nabajeeban Jaiba Sar
Organic Manure**



**COW DUNG
POULTRY LITTER
DE-OIL CAKE
CULTURES and
MIXTURES**

COMPOSTING

CURING

SCREENING

COMPOST

IFB NABAJEEBAN JAIBA SAR SPECIAL NURTURE FOR THE SOIL SYSTEM

- Develops soil structure and colour, enhances aeration and water holding capacity
- Improves buffering capacity, base-exchange capacity and cation-exchange capacity of soil
- Helps to form clay-humus complex and make the nutrients easily available to plants
- Boosts the population and activity of soil microbes, also helps maintain an appropriate C:N ratio of soil
- Releases the native nutrient elements of soil and may be applied both as a basal and top dressing
- Increases agronomic use and physiological use efficiency of plants, thereby decreasing the cost of cultivation
- Improves crop yield and quality

AN ADVANCED SYSTEM OF MANURE PREPARATION— LARGE SCALE PASSIVE AERATION TURNED METHOD

This method of composting prepares excellent quality organic manure using a variety of biological materials as per FCO (1985).

The Preparation Process Raw materials such as cow dung, poultry litters, crop residues and unprocessed biological materials are piled. Microbial cultures are added as decomposers. These piles are periodically turned by a tractor drawn turner. Turning mixes the materials, enhances passive aeration and enables aerobic decomposition. A large open area is used, part of which is floored with concrete. Where there is no concrete flooring, polythene shade and sheets prevent leaching loss.

Turning Technology A moving rotovator elevator table chain, equipped with sharp teeth, powered by a tractor driven power takeoff, is used. This arrangement lifts and drops the materials, mixing them thoroughly to produce a consistent quality of manure.

Turning Schedule Frequency of turning depends on the rate of decomposition, moisture content, material porosity and desired composting time.

- Week 1** 1 turning every day
- Week 2** 3 turnings a week
- Week 3** 2 turnings a week
- Week 4+** 1 turning every day if heating still occurs

The composting efficiency and product quality are based on two major factors—the initial compost mixture and management. Further developments are planned through the addition of the Windrows Machine.

Parameter	FCO (1985) Specifications	IFB Nabajeeban Jaiba Sar Specifications
1 Moisture % by weight	Max 25%	<25
2 Particle size	Minimum 90% material should pass through 4 mm IS sieve	Minimum 90% material should pass through 4 mm IS sieve
3 Bulk density g/cm ³	<1	<1
4 Total organic carbon % by weight, minimum	14	>14
5 Total nitrogen N % by weight, minimum	0.5	>0.5
6 Total phosphates P ₂ O ₅ % by weight, minimum	0.5	>0.5
7 Total potash K ₂ O % by weight, minimum	0.5	>0.5
8 NPK nutrients—Total N, P ₂ O ₅ and K ₂ O nutrient	3	>3
9 C:N Ratio	<20	<20
10 pH	6.5–7.5	7–7.5
11 Conductivity dSm ⁻¹ max	4	<4
12 Pathogen	Nil	Nil
HEAVY METAL CONTENT mg/kg maximum		
13 Arsenic As ₂ O ₃	10	<10
14 Cadmium Cd	5	<5
15 Chromium Cr	50	<50
16 Copper Cu	300	<300
17 Mercury Hg	0.15	<0.15
18 Nickel Ni	50	<50
19 Zinc Zn	1000	<1000



A BOOST LIKE NO OTHER FOR YOUR CROPS

The unique composition of IFB Organic Manure helps to develop soil health and activate the host defence mechanism against disease and pests.

- 100% natural ingredients ensure consistent quality
- Rich in carbon
- Free from unusual foul odours

IFB Nabajeeban Jaiba Sar VS Other Branded/Non-branded Organic Manure

Parameter	IFB Nabajeeban Jaiba Sar Organic Manure	Branded/Non-branded Organic Manure
Organic Carbon	High	Low
NPK	As per FCO	Low
Physical Nature	Free flow	Lumpy
Smell	No smell	Foul smell
Heavy Metal	As per FCO	High

SPREADING THE SEEDS OF PROSPERITY—Using IFB Organic Manure

Field Crops Before ploughing, so that it gets ample time to mix with the soil.

Horticultural Crops For initial plantation, applied in a pit and mixed thoroughly with the soil.

Standing Plantation Crops IFB Organic Manure should be applied at least 0.5–1 m or more (as per age of the plant) away from the base of the plant, making a trench at least 20 cm deep and 30 cm wide. IFB Organic Manure must be mixed with the trench soil and, if possible, with other applied fertilisers. Similarly, it can be applied to standing fruits, vegetables and medicinal plants.

Recommended Dosage

Crop	Dosage
Cereals	0.5–1 t/ha
Oil seed, Pulses, Cotton, Tobacco	1 t/ha
Tuber crops, Vegetables, Sugarcane	2–3 t/ha
Betel Vine, Mulberry	1.5–2.5 t/ha
Coconut, Mango, Guava, Jack fruit, Litchi	10–20 kg/plant
Banana, Papaya, Grape, Citrus	2–5 kg/plant
Flowers	50–100 g/plant
Tea, Coffee	1–2.5 kg/plant
Lawns	0.5–1 t/ha

These recommendations are for optimum results. They may be adjusted to suit specific requirements.



Manufactured at

IFB Agro Industries Ltd
Village Durgapur, Noorpur
South 24 Parganas
West Bengal 743368
T +91 03174 272227

Registered Office

IFB Agro Industries Ltd
Plot No IND 5, Sector 1
East Kolkata Township
Kolkata 700107
West Bengal, India
T +91 33 24421003/39849675
F +91 33 2442100

www.ifbagro.in

Contact

Ranabir Mukherjee
T +91 9007034140/9433477226
E ranabir_mukherjee@ifbagro.in