



Thohira®

INCREASE PROFITS WITH THE POWER OF SYMBIOTICS

Thohira Synbiotics G03 is a combination of prebiotic and a highly concentrated blend of bacterial spores specifically formulated for aquatic species. Thohira Synbiotics improve final harvest by improving feed conversion. Improving the efficiency of converting feed to meat means a greater return on investment and increased profitability. Thohira stabilizes water quality, improves pond bottom quality effectively displace harmful bacteria by competitive exclusion processes and supports the gut health of fish and shrimp, thereby improving performance and efficiency in production.

USAGE MANUAL (LIQUID TYPE)

Feed treatment application

Dilute Thohira with clean water at ratio of 1:100. Spray 1 L of diluted Thohira solution to 1 kg pellet. Ferment the pellet for 6 hours / overnight. Feed the fish or shrimp. Feed the animals with pellet containing Thohira Synbiotic at least 3 times a week.

Water treatment application

Initial Dosage: Apply 12 L/hectare every 5 days, for 10 days.

Maintenance Dosage: Apply 6 L/hectare once every 12-15 days throughout the remaining growth cycle.

Notes: For high shrimp/fish densities or suspected disease conditions, increase the dose to 12 L/week/hectare.

Hatchery, Nursery, Raceway, Plastic/Concrete tank: Apply 2 - 5 ml/m³ of water every day throughout the growth cycle.

USAGE MANUAL (POWDER TYPE)

Feed treatment application

Mix 5 g Thohira with 1 L clean water. Then spray 1 L Thohira solution to 1 kg pellet. Ferment the pellet for 6 hours / overnight. Feed the fish or shrimp.

WATER TREATMENT APPLICATION

Initial Dosage: Apply 12 kg/hectare every 5 days, for 10 days.

Maintenance Dosage: Apply 6 kg/hectare once every 12-15 days throughout the remaining growth cycle.

Notes: For high shrimp/fish densities or suspected disease conditions, increase the dose to 12 kg/week/hectare.

Hatchery, Nursery, Raceway, Plastic/Concrete tank: Apply 1 - 3 g/m³ of water every day throughout the growth cycle.

TINGKATKAN KEUNTUNGAN DENGAN KUASA SINBIOTIK

Thohira sinbiotik adalah kombinasi prebiotik dan spora bakteria yang padat yang secara spesifik diformulasi untuk spesis akuatik. Thohira Sinbiotik meningkatkan hasil ternakan dengan mengurangkan FCR. Meningkatkan keberkesanan menukar makanan menjadi daging bermaksud meningkatkan keuntungan dan pulangan modal. Thohira menstabilkan kualiti air, menjaga dasar kolam, melindungi ternakan daripada serangan bakteria merbahaya dan menyokong kesihatan usus ternakan, lalu meningkatkan prestasi tumbesaran.

MANUAL PENGGUNAAN (JENIS CECAIR)

Aplikasi rawatan makanan ternakan

Cairkan Thohira dengan air bersih pada nisbah 1:100. Semburkan 1 Liter Thohira yang telah dicairkan tersebut pada 1 kg pellet. Fermentasi pellet tersebut selama 6 jam / semalaman. Beri makan kepada ikan/udang. Beri ternakan makan pellet mengandungi Thohira Sinbiotik sekurang-kurangnya 3 kali seminggu

Aplikasi rawatan air

Dos awal: Aplikasi 12 liter/hektar setiap 5 hari, selama 10 hari.

Dos selenggara: Aplikasi 6 liter/hektar sekali setiap 12-15 hari sepanjang tempoh tumbesaran ternakan.

Nota: Tingkatkan dos Thohira kepada 12 liter/minggu/hektar untuk ternakan udang/ikan yang ditanam pada densiti tinggi atau yang disyaki berpenyakit.

Rumah penetasan, nurseri, tangki plastik/konkrit: Aplikasi 2-5 ml/m³ air setiap hari sepanjang tempoh tumbesaran ternakan.

MANUAL PENGGUNAAN (JENIS SERBUK)

Aplikasi rawatan makanan ternakan

Campurkan 5 gram Thohira dengan 1 Liter air bersih. Semburkan 1 Liter larutan Thohira tersebut pada 1 kg pellet. Fermentasi pellet tersebut selama 6 jam / semalaman. Beri makan kepada ikan/udang.

Aplikasi rawatan air

Dos awal: Aplikasi 12 kg/hektar setiap 5 hari, selama 10 hari.

Dos selenggara: Aplikasi 6 kg/hektar sekali setiap 12-15 hari sepanjang tempoh tumbesaran ternakan.

Nota: Tingkatkan dos Thohira kepada 12 kg/minggu/hektar untuk ternakan udang/ikan yang ditanam pada densiti tinggi atau yang disyaki berpenyakit.

Rumah penetasan, nurseri, tangki plastik/konkrit: Aplikasi 1-3 g/m³ air setiap hari sepanjang tempoh tumbesaran ternakan.

DATA SAFETY SHEET

Section	Category	Details
Section - 1	Manufactured & Packed by	Halways Sdn Bhd Office Address: Next2u, Putra Science Park, Universiti Putra Malaysia, 43400 Serdang, Selangor
Section - 2	Contact	+603-8947 1415 (Office) +6011-3536 3454 (Hotline)
Section - 3	Composition	<i>Bacillus</i> spores, <i>Mannan oligosaccharides</i> and Dispersible powder
Section - 4	First aid measures	Eyes : Mildly irritating to eyes. Skin : Mildly irritating to skin. Frequent and prolonged contact may cause dermatitis. No effect should occur, If promptly washed off. Inhalation : If present as high concentration of air borne dust prolonged contact may cause irritation to nose and throat, May cause coughing and shortness of breath. Ingestion : May cause diarrhea, Nausea, Vomiting and cramps, weakness and circulatory problems.
Section - 5	Measures and fighting against fire	Fire extinguishing media :CO ₂ , Dry chemicals
Section - 6	Measures in case of leak or unforeseen release	1. Remove persons not wearing protective clothing from spill area. 2. ventilate spill area 3. Avoid contamination of stream and sewers 4. Absorb on to clay, absorbent material.
Section - 7	Storage and handling	Handling : Avoid dropping the container from the top. Storage : Store in a well ventilated place. Keep container closed when not in use. Away from food, direct sunlight . Away from high temperature
Section - 8	Exposure control and personal protection	Not applicable
Section -9	Physical and chemical properties	Nature : Yellowish coarse powder Odour : Characteristic odour Solubility in Water : Insoluble Boiling Point : Not applicable Melting point : Not applicable
Section -10	Stability and reactivity	Not applicable
Section -11	Toxicological information	Non Toxic and Non - Virulent
Section -12	Ecological information	Waste Disposal Method: Dispose of in accordance with all federal, state and local standards.
Section -13	Elimination considerations	Not Applicable
Section -14	Transport information	Shipping Name : Thohira Synbiotics Shipping containers Marking : Thohira Synbiotics Shipping Containers Lables : Thohira Synbiotics Flammability : Not Flammable

Section -15	Regulations information	Designation : Organic Origin : Non Hazardous Material
Section -16	Protection information	<ul style="list-style-type: none"> • Chemical safety goggles. • Use protective clothing, gloves and mask. • Mechanical exhaust required. Safety shower and Eye bath. • Avoid contact with eyes. • Wash thoroughly after handling. • Keep Tightly closed. Store in a cool dry place.
Section -17	Emergency and first aid procedure	<ul style="list-style-type: none"> • In case of Contact, immediately flush eyes or skin with copious amount of water for at least 15 min while removing contaminated clothing and shoes. If Inhaled, Move to fresh air, If not breathing give artificial respiration. If breathing is difficult give oxygen. • If swallowed, wash mouth with water, provided person is conscious.
Section -18	Handling and storage conditions	Normal House Keeping Procedures
Section -19	Spill or leak procedures special	Not Applicable
Section -20	USE	Agriculture purpose

No	Parameters	Content
1.	Form and appearance	Yellowish coarse powder or liquid
2.	pH	7.0 to 8.0
3. ;	Bacillus spp (CFU/g or CFU/L)	Min 1.00 x 10 ⁶
4.	Stability of cfu's at 30 °C and 65 % RH	2 years for powder : 6 months for liquid
4.	Stability of cfu's at 4 °C and 65 % RH	3 years for powder : 14 months for liquid

Last update: 28 April 2019