

OUR PRODUCTS



Non-volatile N
Non-Urea, Ammoniacal-N



Water-soluble P
Supreme, Raja & Royal series



No-inert Fillers
No filler material

RAJA SERIES

Raja Red + TE	12.5/4.5/25 + TE
Raja Red + 2.4B	12.5/4.5/21 + 2.4B
Raja Red + Mg + B	12.5/4.5/21/1.5 + B
Raja Extra-K + TE	10.5/4.5/30 + TE
Raja Extra-K + 2.4B	10.5/4.5/27 + 2.4B
Raja Golden Blue + TE	12.5/9/18/1.5 + TE
Raja Golden Blue + 1.2B	12.5/9/17/1.5 + 1.2B
Raja Yellow + TE	14.5/13.5/6/3 + TE
Raja Black + 1.2B	11/4.5/20/1.5 + 2.5HA + 1.2B

PUTRA SERIES

Putra Extra-K + TE	9.5/3.5/29 + TE
Putra Red + 1.2B	9/3.5/27 + 1.2B
Putra Blue + TE	12/5.5/18 + TE
Putra Yellow + TE	11.5/7/6/4 + TE
Putra 44 + 1.2B	10/3/21/2 + 1.2B
Putra Black (K) + TE	9.5/5.5/18 + 2.5HA + TE
Putra Black + TE	9.5/7/15 + 2.5HA + TE
Putra NPK Special + 2.4B	8/8/18/1.5 + 2.4B

SUPREME SERIES

Supreme Gold + TE	16/20 + TE
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ROYAL SERIES

Royal K-Maxx + TE	8/10/30 + TE
Royal K-Maxx + 2.4B	8/10/27 + 2.4B

CROWN SERIES

Crown NK Black + TE	8.5/24 + 10HA + TE
Crown NK + TE	12/30 + TE
Crown NK (AS) + TE	10.5/30 + TE
Crown NK + 2.4B	10/30 + 2.4B
Crown NK Black + 2.4B	8.5/24 + 8HA + 2.4B



ABOUT LOONGSYN

Loongsyn Sdn Bhd (LSB) incorporated in 1981 is principally involved in fertilizers trading and manufacturing. LSB is one of the most established fertilizer companies in Sabah, Malaysia; specializing in compound fertilizers.

The Chairman and co-founder, Mr. Albert Teh Chuan Seng, started the business in 1985 in Tawau. To date, Loongsyn has branches in all the major agriculture towns in Sabah, namely Tawau, Lahad Datu, Sandakan and Keningau.



1985

Our company started as a handling agent for fertilizers of ICI Agriculture Malaysia (1972) Sdn Bhd in Sabah.



1996

We became an associate of IJM Plantations Bhd when IJM and its management company, Exotic Heritage Sdn Bhd (EHSB) invested 60% in LSB.



2008

We began to manufacture our own range of NPK in Sandakan. In 2011, majority of the shares were bought back from IJM and EHSB.



2020 and beyond

Mr Abel Teh, who is Mr Albert Teh's eldest son became Managing Director of LSB and together with a team of competent professionals, continue to serve more planters in Sabah.

CONTACT US

TAWAU

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LAHAD DATU

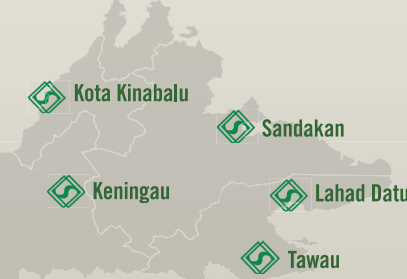
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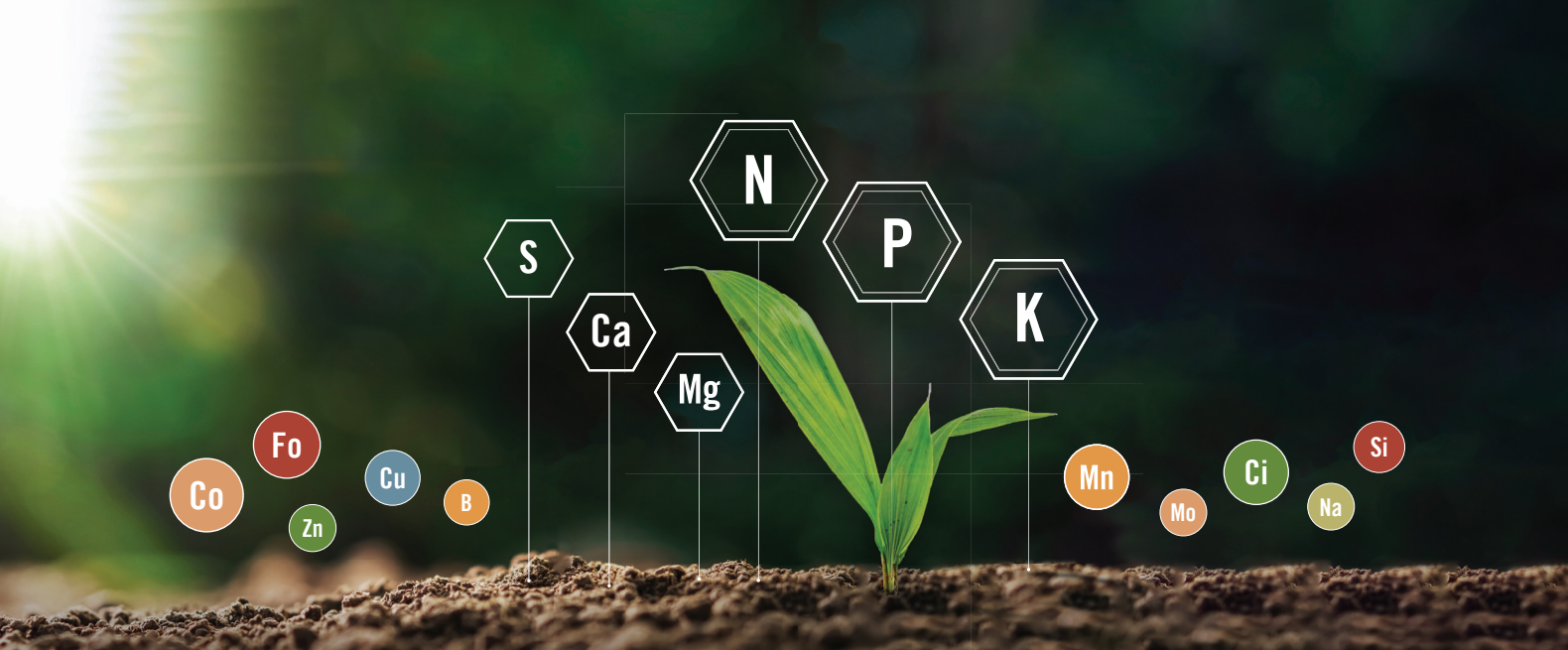
www.loongsyn.com

NPK COMPOUND SPECIALIST

Nourish your plantations with our cost effective fertilizing solutions



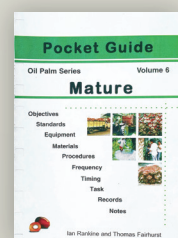
隆興有限公司 (Co. No. 77964-D)
LOONGSYN SDN. BHD.



SOIL CHEMICAL PROPERTIES

Property	Very low	Low	Moderate	High
pH	<3.5	4.0	4.2	5.5
Total N (%)	<0.08	0.12	0.15	0.25
Total P (mg/kg)	<120	200	250	400
Available P (mg/kg)	<8.0	15.0	20.0	25.0
K (cmol/kg)	<0.08	0.20	0.25	0.30
Mg (cmol/kg)	<0.08	0.20	0.25	0.30

Standards according to Field Handbook Oil Palm Series (Vol 6) by Ian Rankine & Thomas Fairhurst



LEAF NUTRIENT CONCENTRATIONS

Young palms (<6 years) - Frond #17

Element	Deficiency	Optimum	Excess
N (%)	<2.50	2.6-2.9	>3.1
P (%)	<0.15	0.16-0.19	>0.25
K (%)	<1.00	1.1-1.3	>1.8
Mg (%)	<0.2	0.3-0.45	>0.7

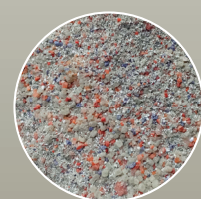
Mature palms (≥ 6 Years) - Frond #17

Element	Deficiency	Optimum	Excess
N (%)	<2.30	2.4-2.8	>3.0
P (%)	<0.14	0.15-0.19	>0.25
K (%)	<0.75	0.9-1.2	>1.6
Mg (%)	<0.2	0.25-0.40	>0.7

FERTILIZER TYPE AND METHODS OF MANUFACTURE



1. Straight fertilizers



2. Fertilizer mixtures



3. Fertilizer blends



4. Granulated compound fertilizers

OUR SERVICES

SOIL AND LEAF TEST



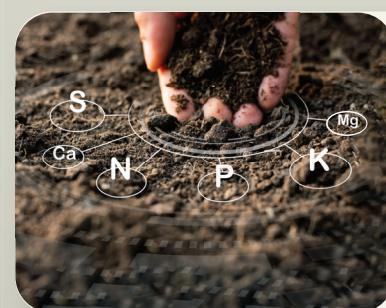
1 How will you know the nutrients lacking in your soil and trees if it is not tested? We are willing to invest in your plantation by sending samples to a third party lab for testing.

PLANTATION VISITS



2 Equipped with experience and test results, we will walk the ground with you and observe your trees and soil to gather as much information as we can.

CUSTOM FERTILIZER PROGRAM



3 After discussions with you together with the data collected, we will work out the best fertilizer program tailor made based to your company's needs. We will also follow up by repeating the process the following year to make sure the nutrient levels in the soil is available to your trees.

OUR CORE VALUES

We hope to **grow together** with our customers for the long term.

We **nourish the trust** with the aim to build deeper friendships that create shared value.

We **do the groundwork** by providing cost efficient fertilizer solutions for plantations.



MANURING PROGRAM

We have designed two generic fertilizer programs to cater to your plantation's needs.

Option 1 is best practice and Option 2 is a more affordable option.

OPTION 1

OPTION 2

IMMATURE

1st Year of Planting Kg/plant

JAN	SUPREME GOLD + TE	16/20 + TE	0.25
MAR	SUPREME GOLD + TE	16/20 + TE	0.25
MAY	SUPREME GOLD + TE	16/20 + TE	0.40
JUL	RAJA YELLOW + TE	14.5/13.5/6/3 + TE	0.40
SEP	RAJA YELLOW + TE	14.5/13.5/6/3 + TE	0.60
NOV	RAJA YELLOW + TE	14.5/13.5/6/3 + TE	0.60
TOTAL			2.50

1st Year of Planting Kg/plant

JAN	SUPREME GOLD + TE	16/20 + TE	0.25
MAR	SUPREME GOLD + TE	16/20 + TE	0.25
MAY	SUPREME GOLD + TE	16/20 + TE	0.40
JUL	RAJA YELLOW + TE	14.5/13.5/6/3 + TE	0.40
SEP	RAJA YELLOW + TE	14.5/13.5/6/3 + TE	0.60
NOV	RAJA YELLOW + TE	14.5/13.5/6/3 + TE	0.60
TOTAL			2.50

2nd Year of Planting Kg/plant

JAN	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	0.60
MAR	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	0.60
MAY	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	0.80
JUL	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	0.80
SEP	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	1.00
NOV	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	1.00
TOTAL			4.80

2nd Year of Planting Kg/plant

JAN	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	0.60
MAR	PUTRA BLUE + TE	12/5.5/18 + TE	0.60
MAY	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	0.80
JUL	PUTRA BLUE + TE	12/5.5/18 + TE	0.80
SEP	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	1.00
NOV	PUTRA BLUE + TE	12/5.5/18 + TE	1.00
TOTAL			4.80

3rd Year of Planting Kg/plant

FEB	RAJA RED + TE	12.5/4.5/25 + TE	1.00
APR	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	1.00
JUN	RAJA RED + TE	12.5/4.5/25 + TE	1.00
AUG	RAJA GOLDEN BLUE + TE	12.5/9/18/1.5 + TE	1.00
OCT	RAJA RED + TE	12.5/4.5/25 + TE	1.00
TOTAL			5.00

3rd Year of Planting Kg/plant

FEB	PUTRA BLACK (K) + TE	9.5/5.5/18 + 2.5HA + TE	1.00
APR	PUTRA BLUE + TE	12/5.5/18 + TE	1.00
JUN	PUTRA BLACK (K) + TE	9.5/5.5/18 + 2.5HA + TE	1.00
AUG	PUTRA BLUE + TE	12/5.5/18 + TE	1.00
OCT	PUTRA BLACK (K) + TE	9.5/5.5/18 + 2.5HA + TE	1.00
TOTAL			5.00

YOUNG MATURE

4th Year of Planting Kg/plant

FEB	RAJA RED + TE	12.5/4.5/25 + TE	1.50
MAY	CROWN NK BLACK + TE	8.5/24 + 10HA + TE	2.00
JUL	RAJA GOLDEN BLUE + 1.2B	12.5/9/17/1.5 + 1.2B	1.50
OCT	CROWN NK + 2.4B	10/30 + 2.4B	2.00
TOTAL			7.00

4th Year of Planting Kg/plant

FEB	PUTRA BLACK (K) + TE	9.5/5.5/18 + 2.5HA + TE	1.50
MAY	CROWN NK BLACK + TE	8.5/24 + 10HA + TE	2.00
JUL	PUTRA BLUE + TE	12/5.5/18 + TE	1.50
OCT	PUTRA BLACK (K) + TE	9.5/5.5/18 + 2.5HA + TE	2.00
TOTAL			7.00

MATURE

5th Year of Planting Kg/plant

FEB	RAJA RED + TE	12.5/4.5/25 + TE	2.00
MAY	CROWN NK BLACK + TE	8.5/24 + 10HA + TE	2.00
JUL	RAJA GOLDEN BLUE + 1.2B	12.5/9/17/1.5 + 1.2B	2.00
OCT	CROWN NK + 2.4B	10/30 + 2.4B	2.00
TOTAL			8.00

5th Year of Planting Kg/plant

FEB	PUTRA BLACK (K) + TE	9.5/5.5/18 + 2.5HA + TE	2.00
MAY	CROWN NK BLACK + TE	8.5/24 + 10HA + TE	2.00
JUL	PUTRA EXTRA - K + TE	9.5/3.5/29 + TE	2.00
OCT	CROWN NK + 2.4B	10/30 + 2.4B	2.00
TOTAL			8.00