



National Farmers' Organization of Malaysia

2nd Member Meeting of the Regional Council of Agricultural
Machinery Association in Asia and the Pacific (ReCAMA) of
Centre for Sustainable Agricultural Mechanization (CSAM),
16-18 July 2016, Coimbatore, India

Presented by:
Saharudin Mohd Dan
General Manager
Nafas Jentera Sdn Bhd

OUTLINE OF PRESENTATION

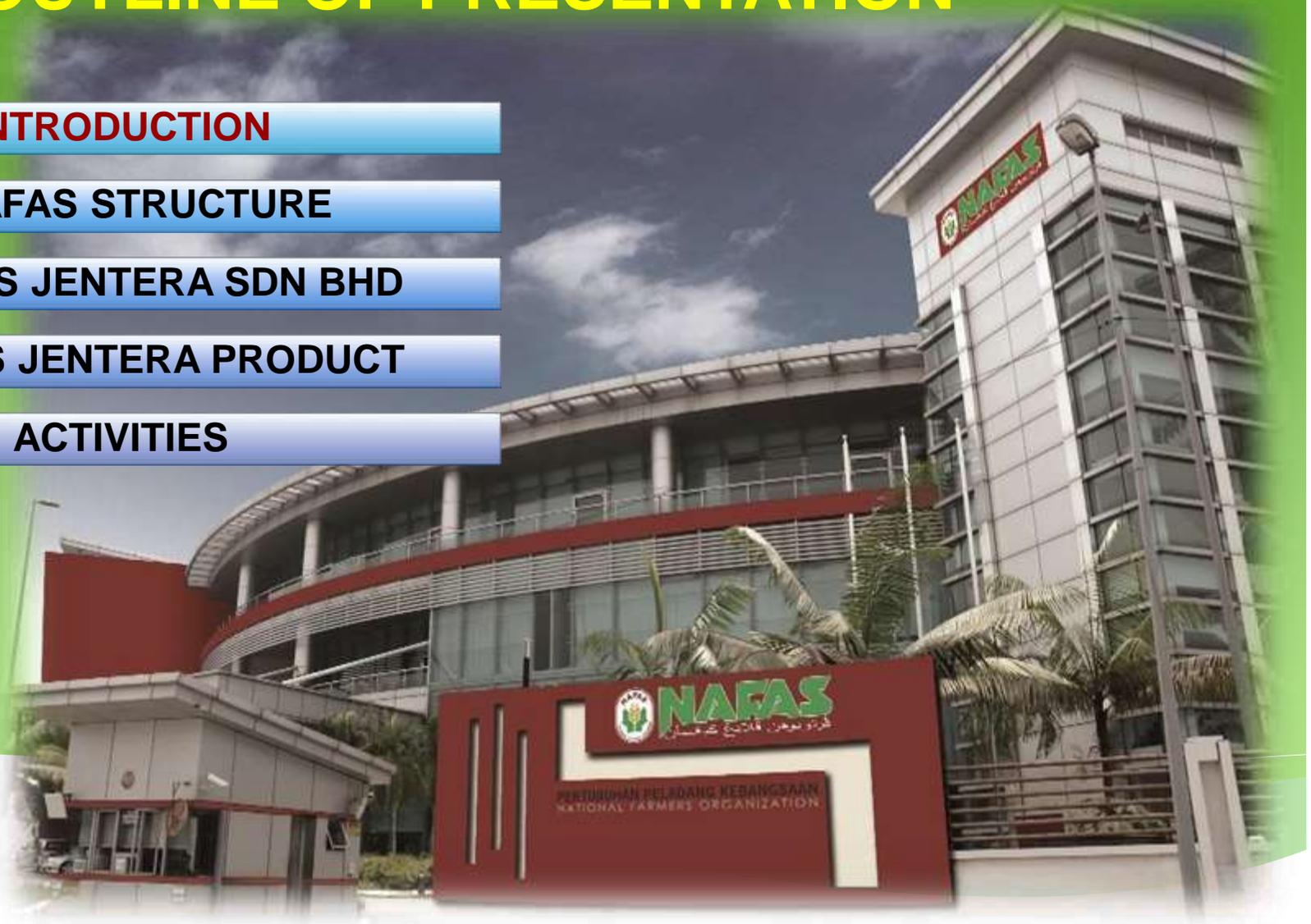
INTRODUCTION

NAFAS STRUCTURE

NAFAS JENTERA SDN BHD

NAFAS JENTERA PRODUCT

ACTIVITIES



1

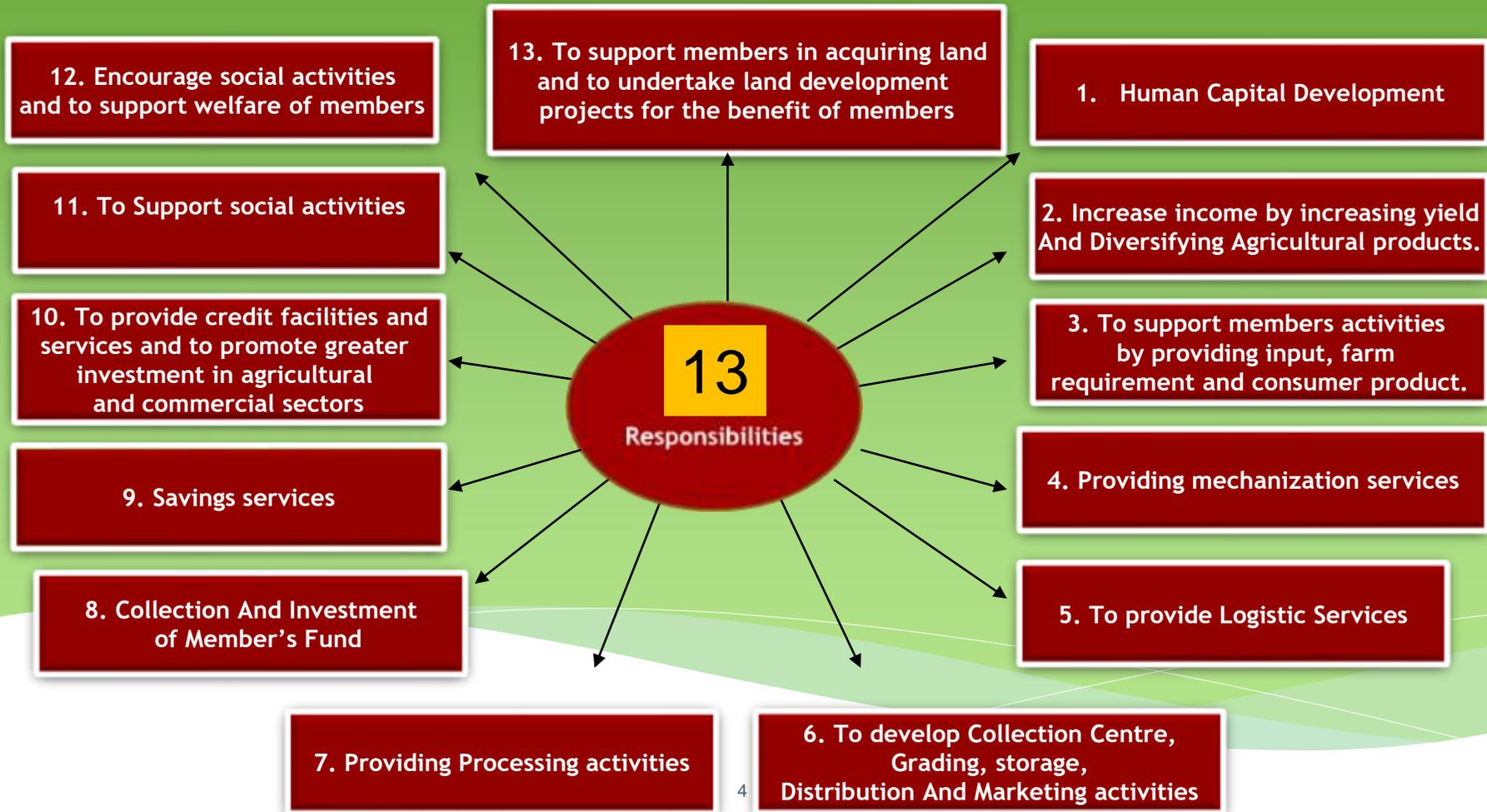
National Farmers' Organization (NAFAS) was Established on 31 March 1972 under Farmers Association Act 1967 as an 'Apex' organization to Farmers' Association.

2

In 1984, re-registered under the Farmers Organization Act 109 [1973] [amended 1984] as the National Farmers' Organisation or well known abbv. as NAFAS.



RESPONSIBILITY



OUTLINE OF PRESENTATION

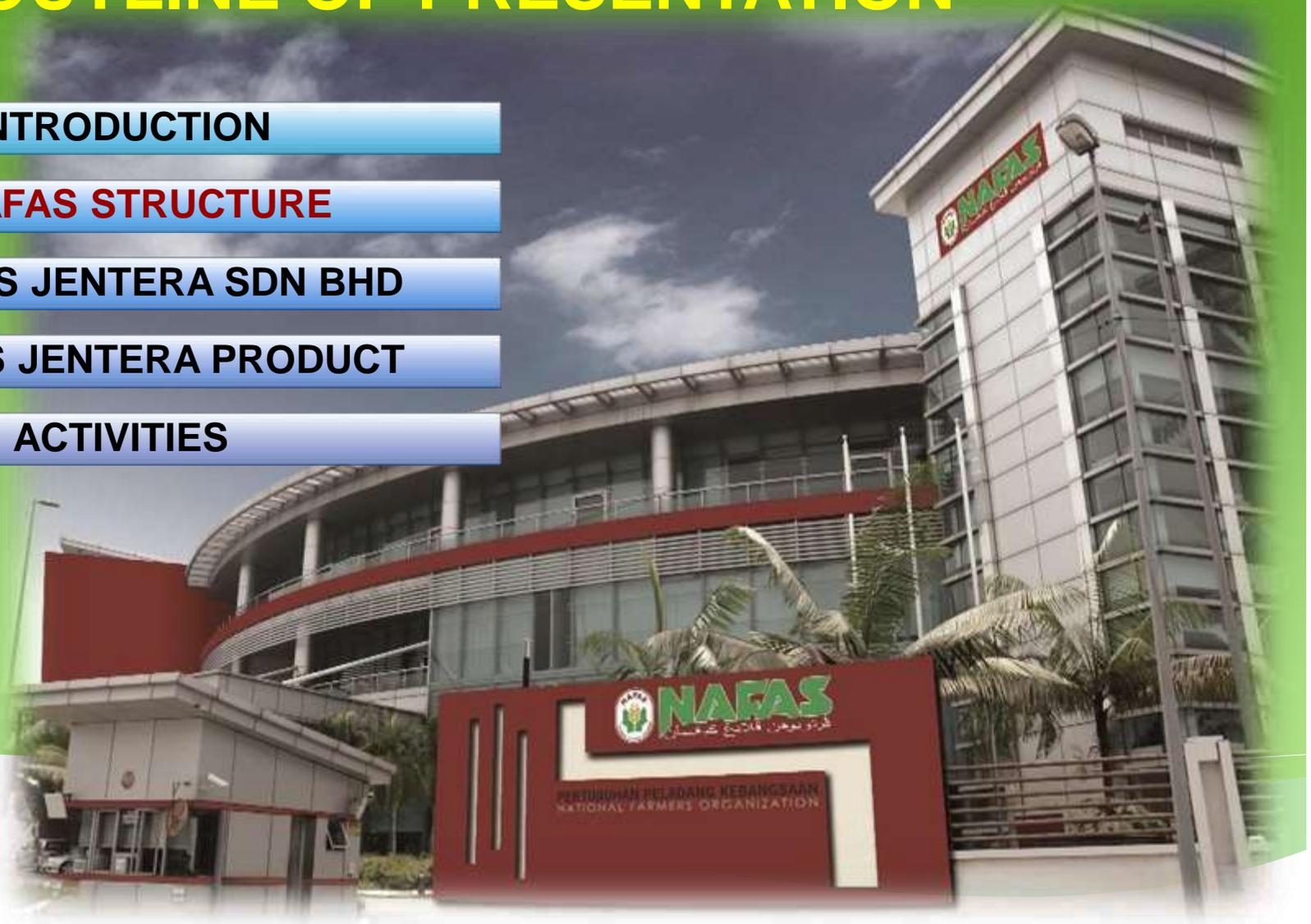
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ACTIVITIES





NAFAS STRUCTURE



1 SOCIAL

- MEETINGS / APPOINTMENTS
- TRAINING / SEMINAR
- WELFARE PROGRAM
- EDUCATION
- NATIONAL FARMERS FUND

2 SOCIO-ECONOMY

- FEDERAL GOVERNMENT'S SCHEME FOR PADDY FERTILIZERS SUPPLIES (SBPKP)
- INCENTIVE SCHEME OF PADDY PRODUCTION (SIPP)
- UMBRELLA SCHEME OF POULTRY (CHICKEN FOR MEAT) (SPADA)
- INTEGRATED INPUT PROGRAM (PIB)

3 ECONOMY

BUSINESS

- NAFAS JENTERA SDN. BHD.
- NAFAS TEL SDN. BHD.
- NAFAS ESTATES SDN. BHD.
- NAFAS PLASTIK SDN. BHD.
- PT. NAFASINDO

INVESTMENT

- ACM SDN. BHD.
- HOWARD ALAT PERTANIAN
- PERMODALAN PELADANG
- KONSORTIUM PASAR BORONG
- BERNAS
- MEDAN JUARA
- F.Y FOOD PROCESSING

NAFAS BAJAKIMIA SDN. BHD.

AGRO-TECH NPK

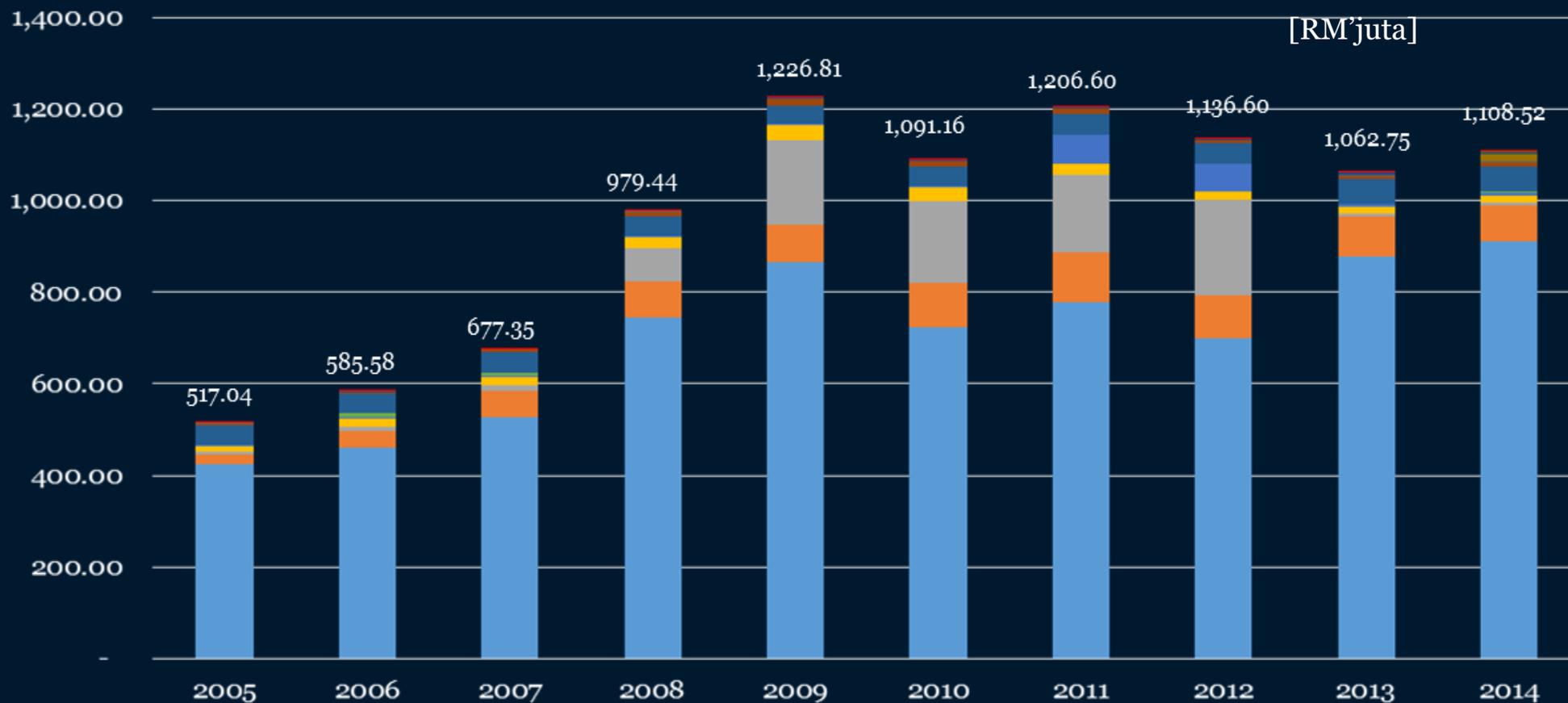
NAFAS TAJ AGRO SDN. BHD.

GRANSEA

MALYSIAN NPK FERTILIZER SDN. BHD.

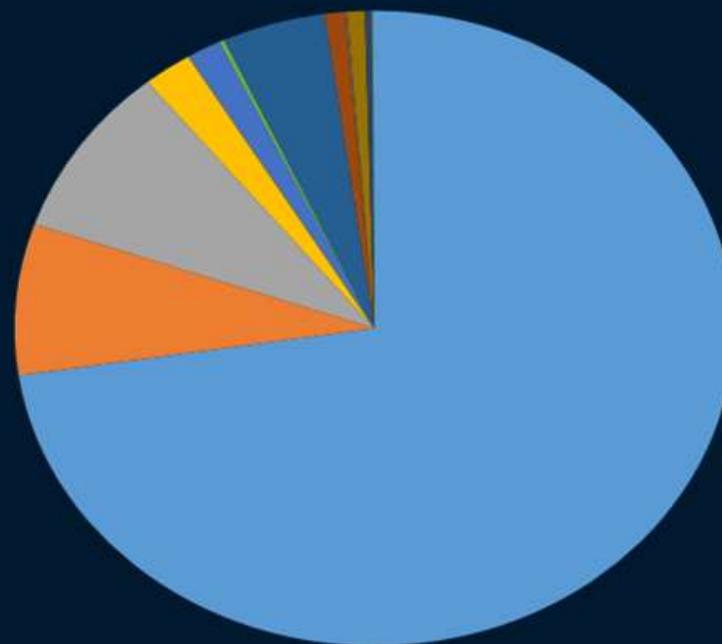
NAFAS FOOD PROCESSING & MARKETING SDN. BHD.

DANA PELADANG KEBANGSAAN (DPK)



- Fertilizer & Agrichemical
- Oil palm
- Seedling
- Machineries
- Spare parts
- Plastic
- Poultry (Chicken)
- Animal Feed
- Poultry (Egg)
- Buffalo
- Building Rental
- Funding
- Others

Percentage NAFAS Group Procurement Composition 2005-2014



- Fertilizer & Agrichemical [73.13%]
- Seedling [8.86%]
- Oil palm [7.74%]
- Spare parts [1.57%]
- Poultry (Chicken) [4.66%]
- Machineries [2.24%]
- Poultry (Egg) [0.10%]
- Plastic [0.24%]
- Animal Feed [0.92%]
- Building Rental [0.28%]
- Buffalo [0.79%]
- Others [0.08%]
- Funding [0.06%]

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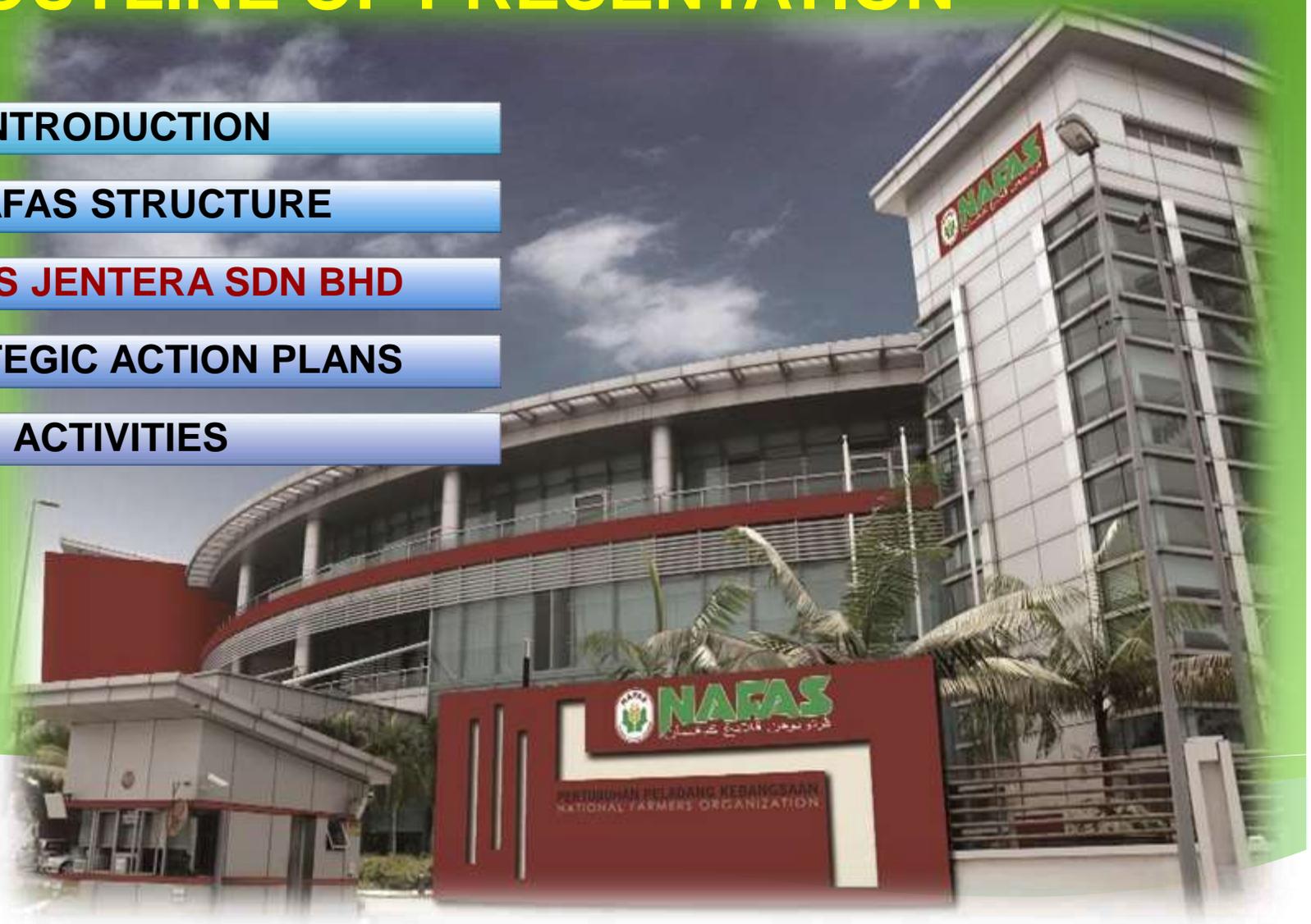
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STRATEGIC ACTION PLANS

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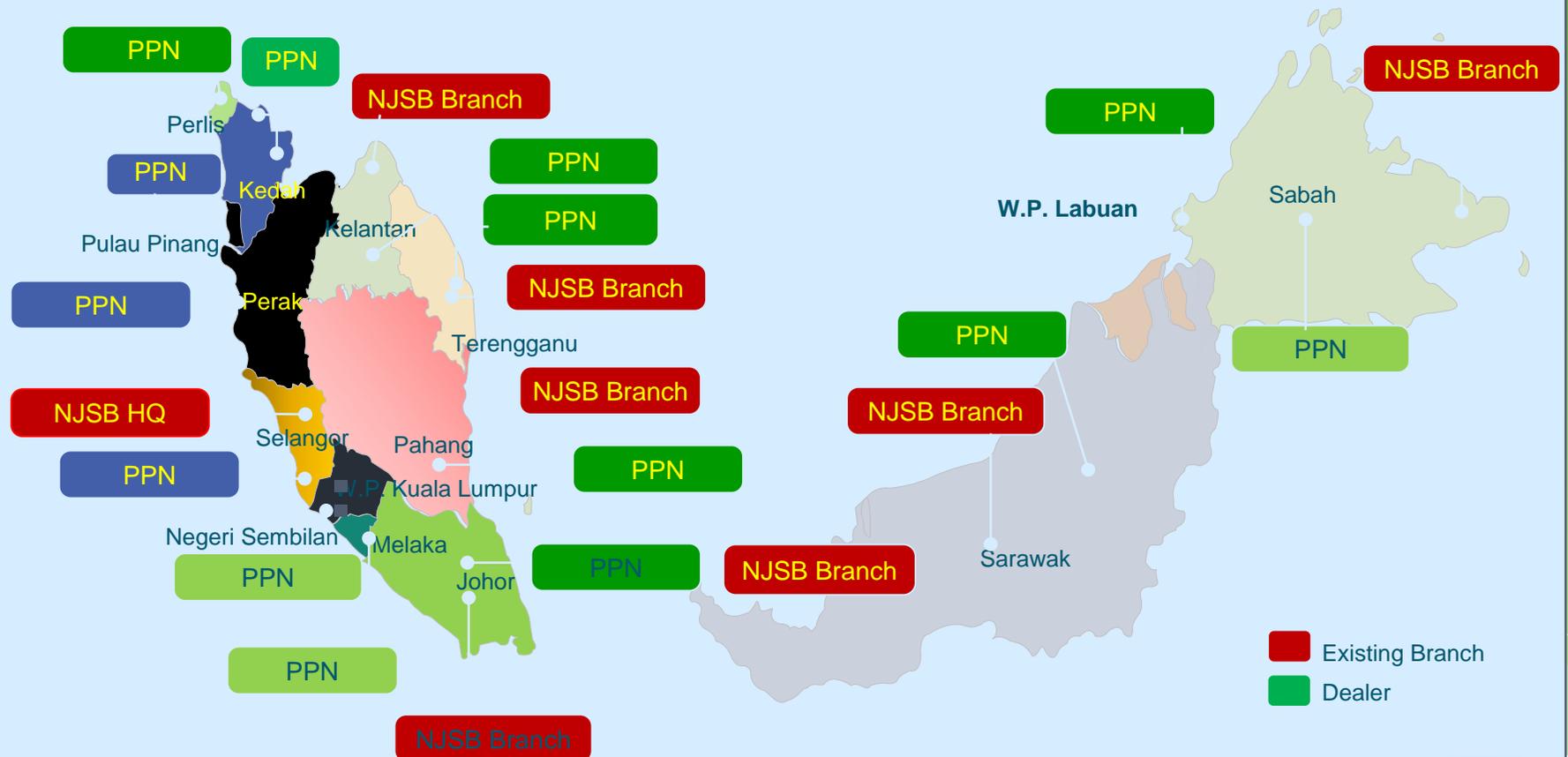


Being the Nation's First and Growing

- *Nafas Jentera is a company wholly owned by the National Farmers Organization (Nafas) to supply and improve technology in agriculture for the benefits of farmer members and the farming community in general.*
- *Nafas Jentera grew to become a major supplier of agricultural machineries including tractors in the agricultural sector with first class technology and after sales service and technical back-up.*
- *Nafas Jentera is very much dedicated to bringing new technology in the agricultural sector in Malaysia from Land Preparation till Harvesting.*



Nafas Jentera appoints 14 States Farmers Organizations all over Malaysia as 3'S dealers (Sales, Service and Spare parts) for all their products.



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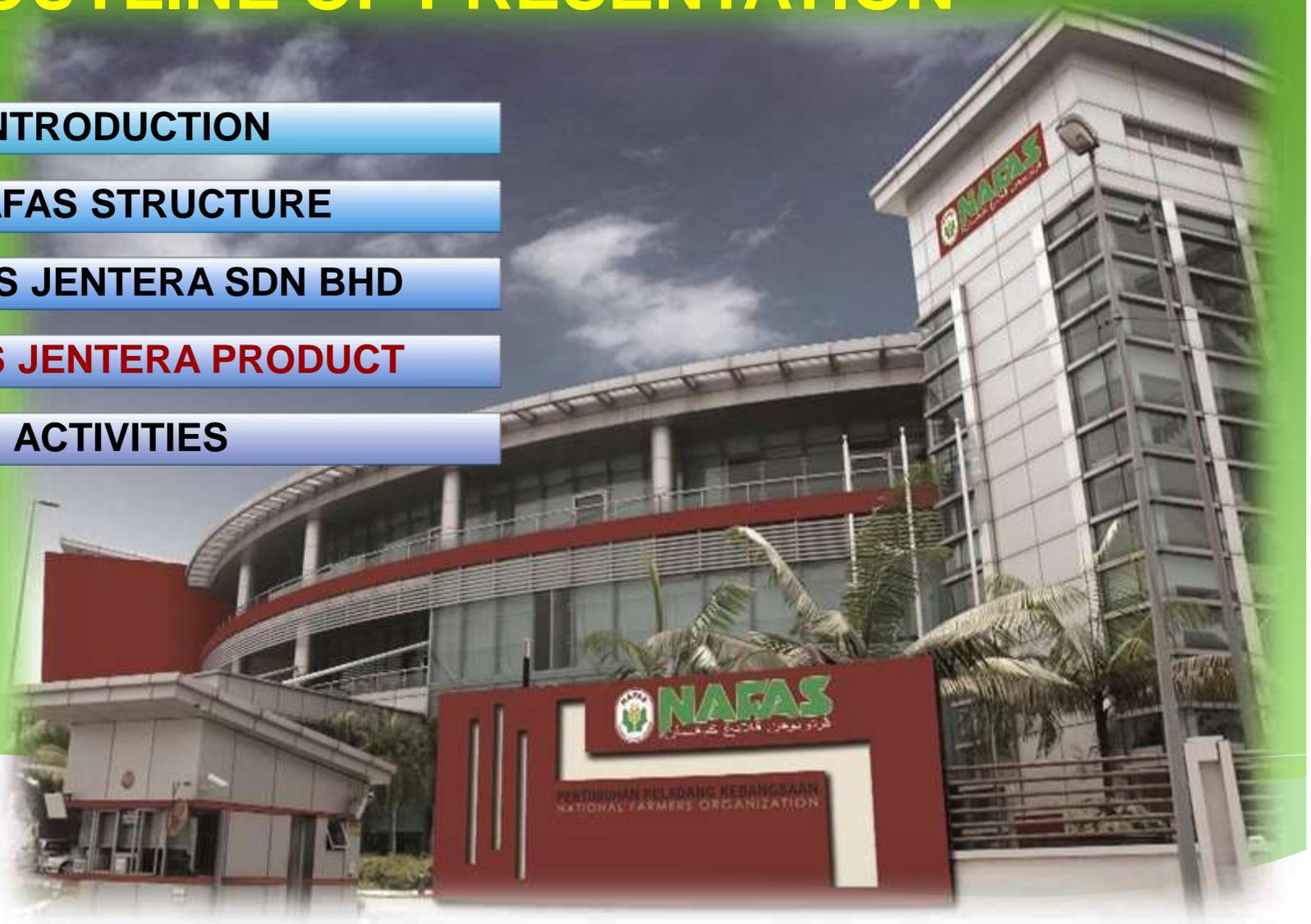
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NAFAS JENTERA PRODUCT & DISTRIBUTORSHIP



Nafas Jentera was the Distributor for FIAT Agricultural tractors since 1976 - and has become the Authorized Distributor for (CNH) Case New Holland tractors which were upgraded from the FIAT tractor series.

In 2013, Nafas Jentera has become the Authorized Distributor for MIZOU Oil Palm Mechanical Assisted Infield Collection (MAIC) tractor series.



Tractors series



TT45 (2WD & 4WD)

TT55 (2WD & 4WD)

TT75 (2WD & 4WD)

TD80 (2WD & 4WD)

TD90 (2WD & 4WD)

TL90 (2WD & 4WD)

TD95 (2WD & 4WD)

TL100(2WD &4WD)



T5060 (2WD & 4WD)

T5070 (2WD & 4WD)

Introduced in 1995 with the L/35 Series, then upgraded in 1998 as the TL Range, this range is well established as a worldwide leader in the upper all-purpose tractor segment. In the last 8 years, New Holland has sold more than 80,000 units of L/35/TL Series



All seasons, all terrains tractors

TD90 (2WD & 4WD)

TD95 (2WD & 4WD)

In the "Africa, Middle East and Asia" region alone, CNH are selling more than 400 units annually of the TL Series. These tractors are used in a wide variety of agricultural applications, including dry land cultivation in Africa/Middle East and paddy cultivation in Asia.



TD80 (2WD & 4WD)

With some significant product upgrades, and in order to comply with the European Tier 3 Emission and Noise regulations, starting from 2008 the new T5000 will be available, replacing the current TL range. This range will be offered in 2 & 4WD, Cab & ROPS versions.

Potential market

OWNERSHIP STATUS BY DEPARTMENT / AGENCY / FARMERS / ENTREPRENUERS / PRIVATE IN FARMING MACHINERY SERVICES IN PADDY CULTIVATION SECTOR

NO.	MACHINE TYPE	DEPARTMENT / AGENCY / FARMERS		ENTREPRENUERS / PRIVATE		TOTAL (UNIT)
		UNIT	%	UNIT	%	
1	TRACTOR 4 WD	600	17	2951	83	3551
2	COMBINE HARVESTOR	250	18	1166	82	1416
3	TRACROR 2 WD	0	0	7000	100	7000

Tractors series



Beluga T980

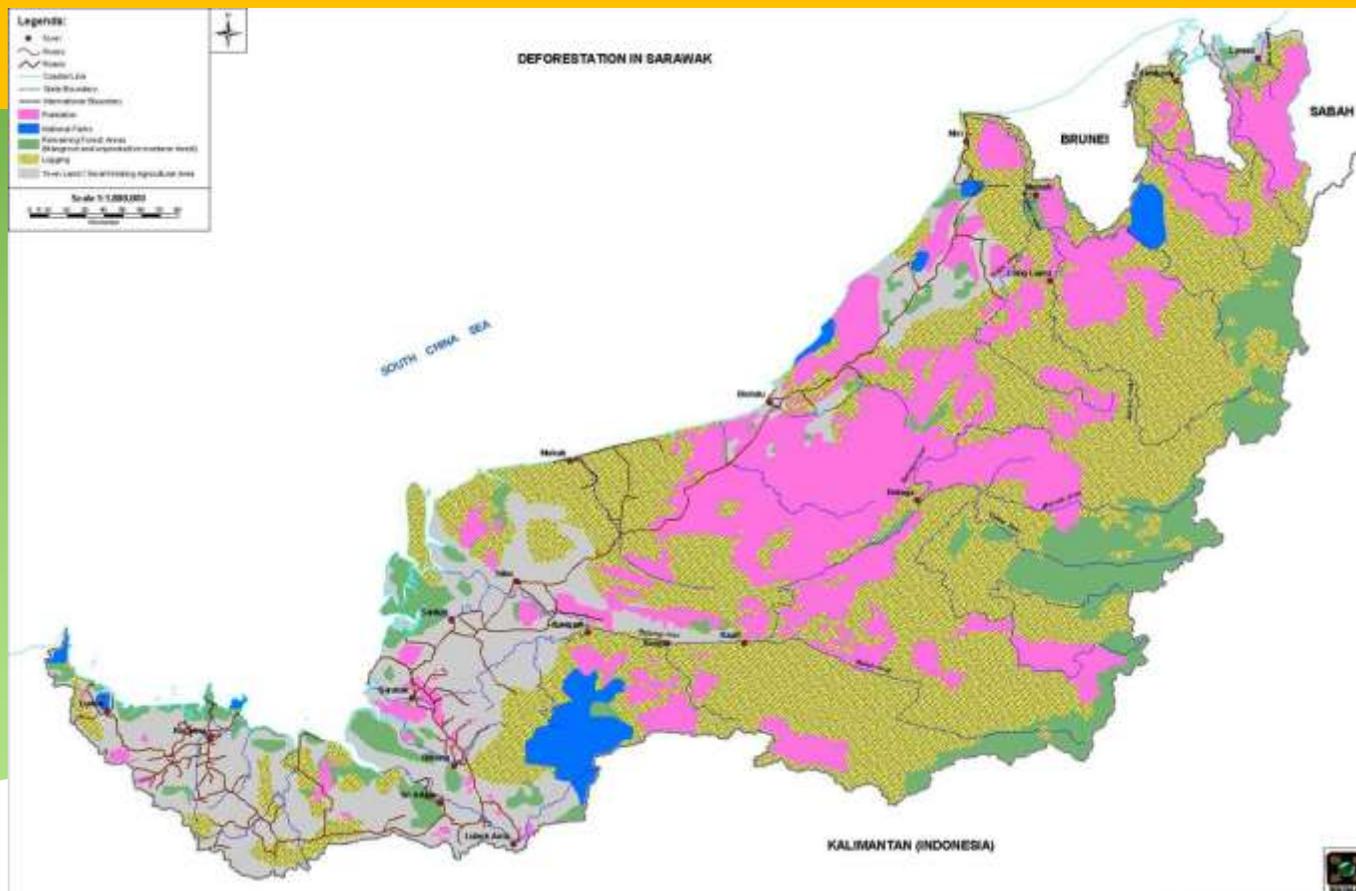
Jaguar X800

Rhyno W700

Lion X1000

Tiger G1500

Potential market



Potential market

BIL	ORGANISASI PERLADANGAN	KELUASAN LADANG (HEKTAR)
1	SALCRA	60,000.00
2	Sarawak Plantations Bhd	50,000.00
3	TA AN PB	48,000.00
4	Boustead PB	38,000.00
5	FELCRA PB	33,000.00
6	Jaya Tiasa Holdings	70,000.00
7	Tradewind PB	80,000.00
8	Subur Tiasa Holdings	15,000.00
9	WTK Holdings Bhd	70,000.00
10	Rimbunan Sawit Bhd	20,000.00
11	BLD Plantations	55,000.00
12	TH Plantations	35,000.00
	JUMLAH	574,000.00



Beluga T980

(For peat soil infield condition)



Beluga T980

“A Track Type Multipurpose Tractor called Beluga, a name that is derived from a white whale, which lives in the Arctic Circle. Unlike other small animals, this white whale has an excellent capability in maneuvering and navigation.

Beluga was designed with a single chassis, compact and robust with the most efficient weight distribution ratio and the least ground pressure.

*Beluga is equipped with **a special rubber crawler** and gives superior flotation and instinctive traction on soft ground condition such as peat soil. Beluga is easy to maneuver using **a single joystick control** that is very intuitive, easy to use and capable of carrying up to 1000 kg of fresh fruit bunches (FFB). The diesel fuel consumption is only 12 litres a day.”*



NAFAS JENTERA PRODUCT



Beluga T980

(For peat soil infield condition)



Jaguar X800

(For peat soil infield condition)



Jaguar X800, a 37HP multipurpose tractor was designed with a single chassis, compact and robust with the most efficient weight distribution ratio and the least ground pressure.

*Jaguar is equipped with **a special rubber crawler** and gives superior flotation and instinctive traction on soft ground condition such as peat soil.*

*Jaguar X800 is equipped with **a 7 feet scissor lift dumper** for effective FFB Infield Collection.*

*The average diesel fuel consumption is only 12-15 litres a day. Apart from transportation of FFB, Jaguar X800 **can be attached with sprayer and spreader** making it a truly multifunctional tractor”.*

Jaguar X800

(For peat soil infield condition)



Rhyno W700

(For swampy, wide terraced & hilly areas infield condition)



Rhyno is capable of carrying 700 kg of FFB payload, utilizing a minimal diesel fuel consumption of only 6-8 litres a day.

Rhyno has a proven Kohler, air cooled engine, capable of delivering 19 horse power at 3,600 revolution per minutes.

A **Power-Take-Off (PTO)** is incorporated in the Rhyno so that **Fertilizer Spreader and Pesticide Sprayer** can be mounted on the Rhyno, making it a truly multi-functional machine.

The Rhyno is capable of transporting 25 to 28 MT FFB per day.

Rhyno W700

(For swampy, wide terraced & hilly areas infield condition)



Lion X1000

(For undulating terrain infield condition)



Lion X1000

“A Wheel Type Multipurpose Tractor with Scissor Lift Capability called Lion X1000 has been specifically designed to cater for In-Field FFB Evacuation in the undulating, steep terrain and soft ground conditions.

*Lion X1000 is **powered by a 19HP water-cooled Kubota** engine and constructed to be compact and robust with the most efficient weight distribution ratio to ensure it has superior floatation and excellent manoeuvre in the field”.*



NAFAS JENTERA PRODUCT



Lion X1000

(For undulating terrain infield condition)



Tiger G1500

(For coastal and flat area infield condition)



Tiger G1500 is capable of carrying 1500 kg of FFB payload, utilizing a minimal diesel fuel consumption of only 12 litres a day.

Tiger G1500 has a proven Kubota , water cooled engine, capable of delivering 29 horse power at 3,600 revolution per minutes.

A Power-Take-Off (PTO) is incorporated in the Tiger G1500 so that Fertilizer Spreader and Pesticide Sprayer can be mounted on the Rhino, making it a truly multi-functional machine.

The Tiger is equipped with Grabber and Scissor Lift Dumper up to 8 ft and it is capable of transporting 25 to 30 MT FFB per day.

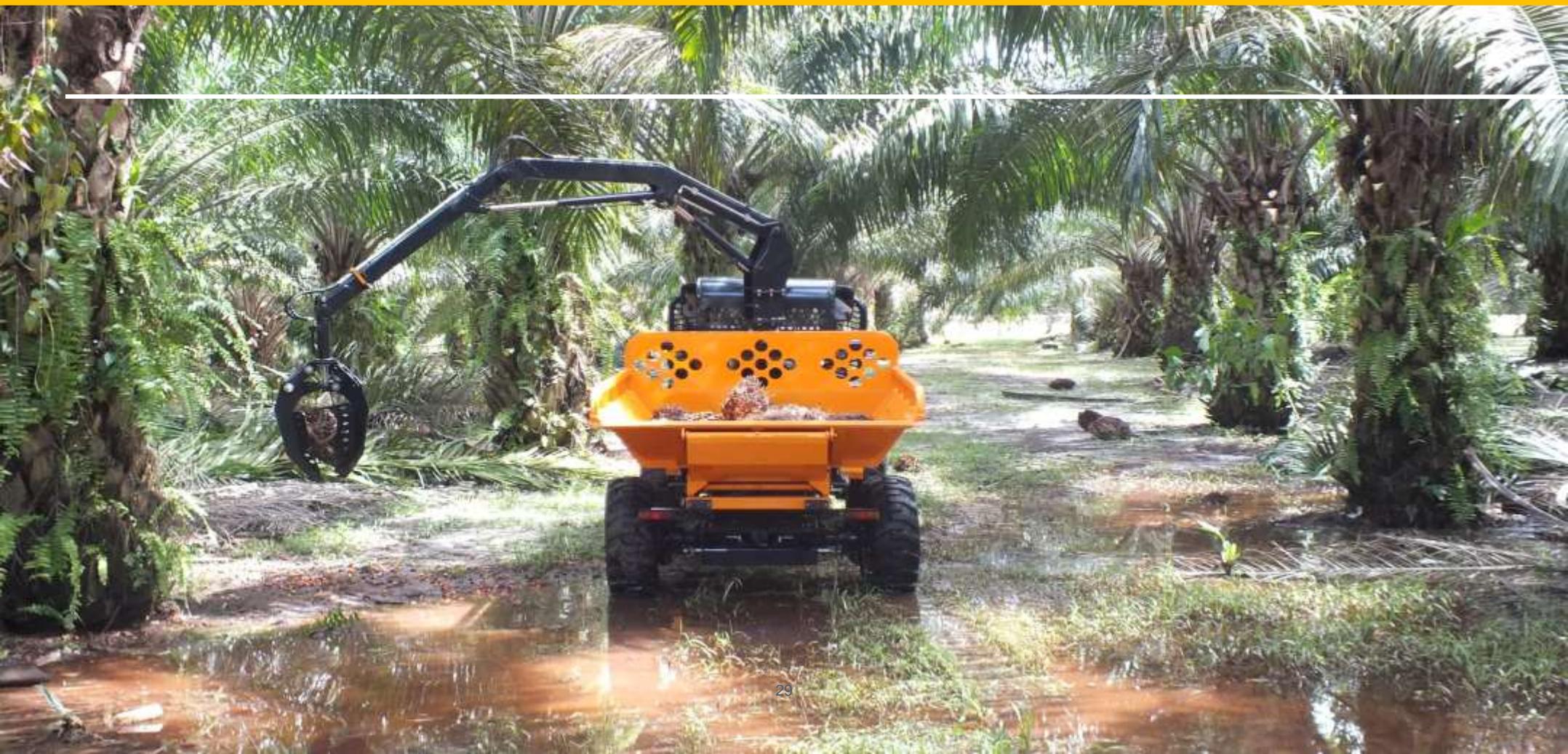


NAFAS JENTERA PRODUCT



Tiger G1500

(For coastal and flat area infield condition)





NAFAS JENTERA PRODUCT



Tiger G1500

(For coastal and flat area infield condition)



Industrial Machineries



KAT WZ30-25

**Backhoe Loader Brand KAT
(95hp)**



Bawoo Skid Steer Loader

**V67 (65hp)
SSL6700 (63hp)
SSL5700 (50hp)**



Unique LTC6D

**Road Roller
Brand Unique**

Agricultural Implement



Agricultural-, turf-care and plantation Implements

Rotavators

- for primary and secondary tillage of seedbeds.
- models to suit all common small and medium sized tractors.



Model B- Series
Working width, cm
Tractor hp, min
Weight
U/J

B-16		
125	155	180
125	155	180
15	20	25
210	240	270
A4 w/shear bolt		

B-36			
180	205	230	255
180	205	230	255
55	60	65	70
530	580	630	680
A8 w/clutch			

HOWARD

Agricultural-, turf-care and plantation Implements

Rotaslashers

-with or without front and rear rollers
-economical implements for grass maintenance, pasture topping and undergrowth control.



Model	HS14/90	HS14/120	HS24/120	HS24/150	HS34/150	HS34/180	HS44/150	HS44/180
Cutting width, cm	90	120	120	150	150	180	150	180
Tractor hp, min	15	20	25	35	55	55	65	65
Weight, kg.	110	160	190	240	300	360	340	440
U/J	A4 w/shear bolt		A6 w/shear bolt		A6 w/clutch		A7 w/bronze disc clutch	

Bucket

Useful utility implement for material handling on farms and construction sites.



Model	HMB 210
Working width, cm	210
Tractor hp, min.	35
Weight, kg.	210

Graders

For landscaping and farm-road maintenance. Off-set positioning and vertical tilt for ditching.



Model	HMG 210	HMG 270
Working width, cm	210	270
Tractor hp, min.	35	35
Weight, kg.	330	390

Post-hole diggers

For trees, masts, poles, signs and fences. Double auger spiral (above 9°) for efficient soil displacement.



Model	PHD 45
Working width, cm	9-24"
Weight, kg.	290

Fertiliser Spreaders for all applications



Model	EFS 500	HFS 502	HFT 750	HFP 802	ETS 800
Capacity, kg.	500	600	800	900	850
Spread, m	6-14	6-14	6-14	6-16	6-18
Tractor hp	15+	15+	45+	45+	45+
Disc	Single	Single	Twin	Pendulum	Single/turbo
Hopper	Steel	G-fibre	Steel	G-fibre	G-fibre

Rollermower

Efficient mower for turf areas such as fairways, parks & sports arenas. Six overlapping swing-back blades.



Model	HRM 180
Working width, cm	180
Tractor hp, min.	35
Weight, kg.	390

Sweeper Collector

Polybrush combs sweep and collect grass clippings, leaves, twigs etc. Hopper capacity : 1,2 and 1,8 m³.



Model	HSW 120	HSW 180
Working width, cm	120	180
Tractor hp, min.	25	35
Weight, kg.	340	435

Tarmac Sweeper

Can be angled left or right. Interchangeable poly or steel wire brush rings.



Model	HTS 180
Working width, cm	180
Tractor hp, min.	35
Weight, kg.	370

Lubricants

Range Of NAFASLUBE PROTECH Engine Oil

NAFASLUBE PROTECH S1 SAE0W-40 Fully Synthetic

PROTECH S1 is a Fully Synthetic Engine Oil designed for use in automotive gasoline and diesel engines where the manufacturer recommends an API SM/CF or earlier specification SAE 0W-40 lubricant.



NAFASLUBE PROTECH S2 SAE10W-40 Synthetic

PROTECH S2 is a Synthetic Engine Oil designed for use in automotive gasoline and diesel engines where the manufacturer recommends an API SM/CF or earlier specification SAE 10W-40 lubricant.



NAFASLUBE PROTECH S3 SAE15W-40 Semi Synthetic

PROTECH S3 is a Semi-Synthetic Engine Oil designed for use in automotive gasoline and diesel engines where the manufacturer recommends an API SM/CF or earlier specification SAE 15W-40 lubricant.



NAFASLUBE PROTECH S4 SAE15W-40 Mineral

M-1 is a mineral based Engine Oil designed for use in automotive gasoline and diesel engines where the manufacturer recommends an API SL/CF or earlier specification SAE 15W-40 lubricant.



NAFASLUBE PROTECH S4 SAE10W-30 Mineral

PROTECH S4 is a mineral based Engine Oil designed for use in automotive gasoline and diesel engines where the manufacturer recommends an API SL/CF or earlier specification SAE 10W-30 lubricant.



NAFASLUBE PROTECH S4 SAE20W-50 Mineral

PROTECH S4 is a mineral-based Engine Oil designed for use in automotive gasoline and diesel engines where the manufacturer recommends an API SL/CF or earlier specification SAE 20W-50 lubricant.



NAFASLUBE PROTECH C1 SAE15W-40 Semi Synthetic Diesel

PROTECH C1 is a semi-synthetic based Diesel Engine Oil designed for use in diesel engines for passenger cars and heavy-duty commercial vehicles with or without turbocharger where the manufacturer recommends an API CI-4 or earlier specification SAE 15W-40 lubricant.



NAFASLUBE PROTECH C2 SAE40 Diesel Mineral

Protech C2 is a mineral oil based Diesel Engine Oil designed for use in all types of diesel vehicles, generators, off-road and agricultural vehicles where the manufacturer recommends an API CF4 or earlier specification SAE 40 lubricant.



NAFASLUBE
PROVEN PROTECTION FOR YOUR VEHICLE

Lubricants

**NAFASLUBE
PROTECH M1 2T
SAE20W-50
Mineral**

PROTECH M1 is a mineral based high quality 2-stroke engine oil for modern engines. It is designed to provide continuous protection against carbon buildup in the engine and spark plug. Suitable for all motorcycle recommends an API TC / JASO FC 2T lubricant.



**NAFASLUBE
PROTECH M2 4T
SAE20W-50
Mineral**

PROTECH M2 is developed for four-stroke motorcycle engines. It provides excellent wear protection for engines and its components. It is recommends for all types of motorcycles and scooters recommends an API SG / JASO MA 4T lubricant.



Proven Protection
for your Vehicle

**NAFASLUBE
PROTECH**



Distribute by:
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46100 Petaling Jaya, Selangor.

www.nafaslube.com

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PROTECTION
FOR YOUR
VEHICLE**

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MANUFACTURED BY AN ISO 9001:2008 CERTIFIED COMPANY

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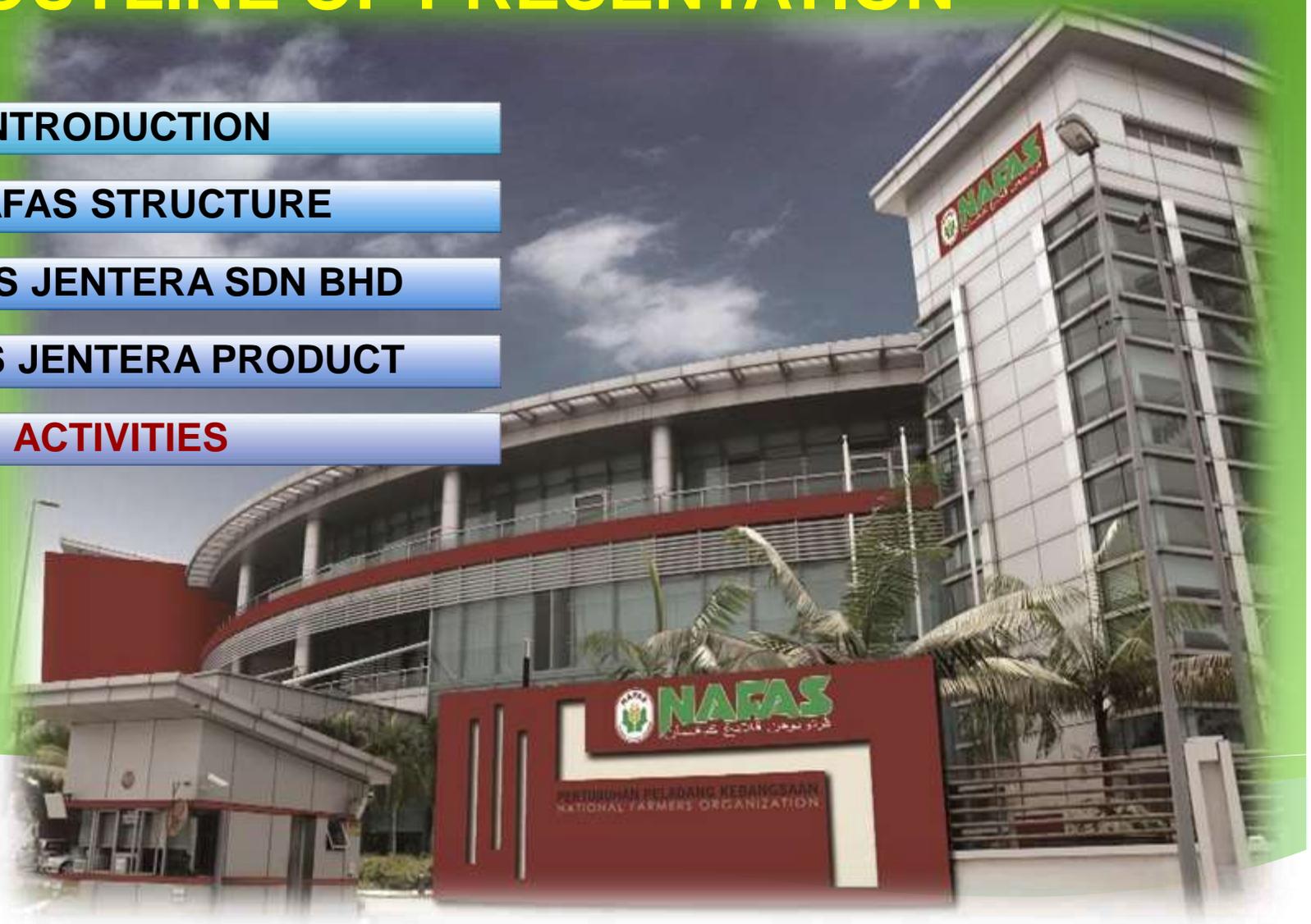
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ACTIVITIES

MALAYSIAN NPK FERTILIZER – COMPOUND FERTILIZER MANUFACTURER



NAFAS PLASTIC INDUSTRIES – PLASTIC BAG MANUFACTURER FOR FERTILIZER



NAFAS AGRI SERVICES – OIL PALM SEEDLING SUPPLIER





ACTIVITIES

NAFAS FOOD PROCESSING AND MARKETING – POULTRY FOR MEAT



NAFAS ESTATES – PALM OIL PLANTATION AND LIVE STOCK





ACTIVITIES

PARTICIPATION IN EXHIBITION – BOOTH SET UP AT PLACE OF EXHIBITION



FARMERS GATHERING PROGRAM



NAFAS BOARD OF DIRECTORS MEETING WITH STAFF



ACTIVITIES

ANNUAL GENERAL MEETING - WITH REPRESENTATIVES FROM STATE
AND AREA FARMERS ASSOCIATIONS



DISTRIBUTION OF DIVIDEND AND ZAKAT



FEDERAL GOVERNMENT'S SCHEME FOR PADDY FERTILIZERS SUPPLIES (SBPKP)



ACTIVITIES

UMBRELLA SCHEME OF POULTRY (CHICKEN FOR MEAT) (SPADA)



ACTIVITIES

UMBRELLA SCHEME OF POULTRY (CHICKEN FOR EGG) (SPADA)





ACTIVITIES

INTERGRATED INPUT PROGRAM – DISTRIBUTION OF AGRICULTURAL INPUT THROUGH FARMERS ASSOCIATIONS





ACTIVITIES

NATIONAL FARMERS FUND – PROMOTING THE FARMERS TO INVEST INTO THE FUND





ACTIVITIES

EASY FINANCING FOR TRACTOR PURCHASE – PROMOTION TO FARMERS





ACTIVITIES FLOOD RELIEF MISSION – DISTRIBUTING SUPPLIES AND HUMANITARIAN AID TO FLOOD VICTIMS



TRAINING & SEMINAR





THANK YOU

