

# Japfa Ltd

### **Growing Appetite for Animal Protein**

SINGAPORE | CONSUMER | NON-RATED NOTE

We attended an analyst site visit in Vietnam last week, an opportunity for us to understand the transformation of Japfa as it expands outside its primary market in Indonesia.

Throughout the trip, the CEO and CFO of Japfa, as well as the General Managers of the Vietnam, Myanmar and India operations, have shared with us some of their market insights and technical knowledge in relation to their operations.

After visited its Xuan Tay Swine Farm (Dong Nai), Binh Thuan Feedmill (Binh Thuan) and Poultry Breeding PS Farm (near Binh Thuan), we are positive on the company's prospect. Below are the key takeaways from the site visit.

#### Key trends and development in the India and Indochina markets

- ➤ India's dietary shift: More meat on Generation Z's palate. There is a notable trend where more young Indians are more open to non-vegetarianism. Demand for chicken could surge once the age group matures into working adults (with own spending power).
- ➤ Vietnam's turnaround story: Spelling porcine profit. Pork is the most popular meat consumed by Vietnamese households, followed by poultry.
- Myanmar's more room to grow: Opportunities behind Myanmar's open door. Tapping into a country that is just opening up gives Japfa first-mover advantage Japfa will be prepared to absorb the demand for more animal protein as Myanmarese has a higher disposable income amidst urbanization.

#### Preparation for the sector's further expansion

- Capitalizing on its:
  - i) knowledge about local consumers behavior (effectively combining quality with local tastes, seasonality for inventory planning, etc.); and
  - ii) experience on farm management and the technical know-how, Japfa could identify the cash cows in respective markets, then focus to grow the identified cash cows by replicating its business model (within the country or cross border).
- > Japfa increases its market share via technology advancement and educating farmers or prospective clients.
- > India: Investing in feedmills while preparing Day-Old Chick (DOC)
  - There is potential demand for quality DOC in the market as livestock's breeding environment in India is relatively more challenging as compared to the other markets (due to its lack of infrastructure, disease challenges and subpar genetics).
  - ii) While conducting R&D to improve the DOC genetics, the animal feed businesses will remain the core earnings driver. The new mills and hatchery will be coming online in the next 1-2 years' time, providing room for the company to prepare a more disease resistant DOC. The ultimate goal is to replicate its Indonesia business model in India.

#### 26 October 2015

#### Non-rated

LAST TRADED PRICE SGD 0.375
FORECAST DIV N/A
TARGET PRICE N/A
TOTAL RETURN N/A

#### **COMPANY DATA**

| O/S SHARES (MN) :             | 1,765       |
|-------------------------------|-------------|
| MARKET CAP (USD mn / SGD mn): | 469 / 653   |
| 52 - WK HI/LO (SGD) :         | 0.79 / 0.28 |
| 3M Average Daily T/O (mn) :   | 0.68        |

#### **MAJOR SHAREHOLDERS (%)**

| Rangi Management Limited    | 52.61% |
|-----------------------------|--------|
| Morze International Limited | 16.01% |
| Tasburgh Limited            | 7.18%  |

#### PRICE PERFORMANCE (%)

|           | 1M TH | 3 M T H | 1Y R   |
|-----------|-------|---------|--------|
| COMPANY   | 23.3  | 17.5    | (50.7) |
| STIRETURN | 5.04  | (8.99)  | (2.35) |

#### PRICE VS. STI



Source: Bloomberg, PSR

#### **KEY FINANCIALS**

| RM MN         | FY11  | FY 12 | F Y 13 | FY14  |
|---------------|-------|-------|--------|-------|
| Revenue       | 2,030 | 2,322 | 2,697  | 2,947 |
| EBITDA        | 174   | 242   | 262    | 259   |
| NPAT (adj.)   | 44    | 53    | 42     | 31    |
| EPS (USD)     | 0.03  | 0.04  | 0.03   | 0.02  |
| PER, x (adj.) |       |       |        | 21.1  |
| P/BV, x       |       |       |        | 1.1   |
| DPS (USD)     |       |       | -      | -     |
| ROE,%         |       | 18.0% | 11.4%  | 5.8%  |

Source: Bloomberg

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Page | 1 | PHILLIP SECURITIES RESEARCH (SINGAPORE)

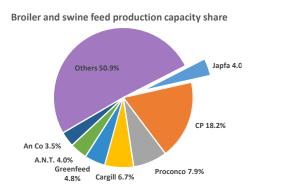
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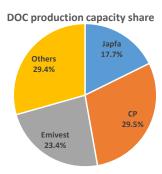


#### Vietnam: Focusing on swine while regaining lost ground on poultry market

- Emivest Vietnam Co, its closer competitor in Vietnam, has the second-largest share in the poultry market. This was mainly due to its aggressive expansion during weak poultry prices in 2012 to 2013, while Japfa took a defensive stand by reducing production then. Nonetheless, the management intends to start picking up on its poultry business.
- Poultry pricing is expected to remain competitive amid strong competition from both domestic and external suppliers (mainly from the U.S. imported frozen poultry). However, Vietnamese's preference for fresh meat consumption provide certain protection to domestic production.
- iii) Meanwhile, swine business turned around from an operating loss of US\$2.2 mn in 2QFY14 to a profit of US\$8.0 mn in 2QFY15, through improvements in productivity. Vietnamese preference on swine will continue to support the swine business and somewhat mitigate the margin pressure from poultry.

#### VN: 2014 Markets share and position





Swine Parent Stock Population (Top 10 Players)



Source: Company, Phillip Securities Research (Singapore)

#### Myanmar: Converting its broiler feed buyers to DOC buyers

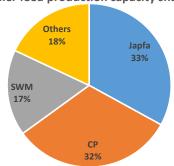
- The broiler feed customers serves as a pool of potential DOC takers. In view of its high market penetration in the broiler feed market, Japfa has a potential upside in the DOC market.
- The company intends to invest in a parent stock farm in Yangon to support the potential demand and boost its market share up to one-third of total DOC breeding market.
- Meanwhile, in view of its strong position in the animal feed market, the



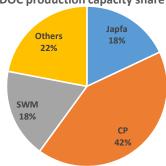
Company will continue to grow the cash cow by expanding feedmills in both Mandalay and Yangon.

#### MM: 2014 Markets share and position

Broiler feed production capacity share



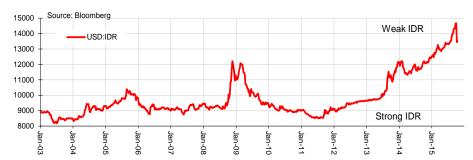
DOC production capacity share



Source: Company, Phillip Securities Research (Singapore)

#### Diversified business model across products and countries cushioned sluggish prices

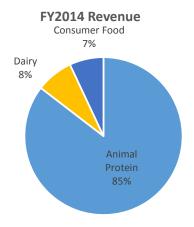
Indonesia. Oversupply of DOC and broiler chickens, weakness in IDR, and lower purchasing power of Indonesians. Since 4Q14, the Group has been reducing CAPEX and scaling back on DOC production.

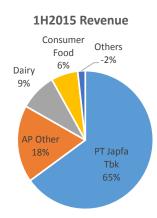


Source: Bloomberg, Phillip Securities Research (Singapore)

China. Slowdown in China drags on raw milk prices in China, and the Group expects it to remain sluggish in near term. Average raw milk prices declined %y-y, but sales in volume and milk yields improved

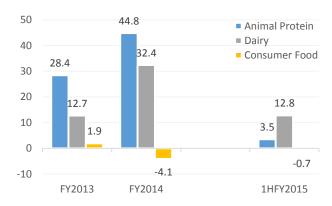
#### **Diversified business model**



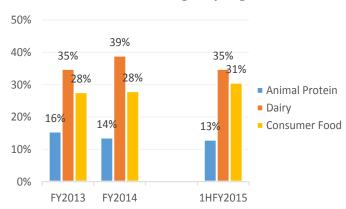




#### Core PATMI w/o Bio Assets



### **Gross Profit Margin by Segment**



Source: Company, Phillip Securities Research (Singapore)

#### Cutting costs, enhancing efficiency, improving yields and productivity

#### Feedmills:

- i) **R&D to focus on quality.** Despite the Feed Conversion Rates (FCRs) differ slightly in each market (due to different management, environment, source of raw materials) According to the management, it has achieved an average FCR of 1.6-1.6x for its premium poultry feed, as compared to that of competitors' ~1.8x of its competitors'. This allows Japfa to charge a premium price over its competitors'. It will continue to focus on improving its feed quality.
- ii) Availability of raw materials locally. Locally sourced raw materials (e.g. soybean and corn available in India, and corn in Myanmar), will help the company to cushion against FX and supply shock.
- Farming: Moving towards semi modern farming. The company is implementing energy and manpower costs savings initiatives, such as:
  - i) Improving the design specifications of new farms (e.g. automation in feeding, remote monitor and control on room temperature, etc.), particularly in North Vietnam; and
  - ii) Introducing bio-digesters in the swine breeding farms.



## Feedmills, Poultry and Swine Operations & Facilities Outside of Indonesia

| ountry | <b>Animal Protein Segment</b> | Principal Facilities   | Annual Capacity             | Locations  |
|--------|-------------------------------|--|-----------------------------|--|
| India  | Animal Feedmills              | 6 Feedmills  | 336,000 MT                  | Owned: Supa, Kondamadugu, Kharagpur, Vaishali                            |
|        |                               |  |                             | Rental: Siliguri, Ranchi   |
| •      | Poultry                       | 1 Parent Stock Breeding Farm   | 150,000 birds               | Maharashtra  |
|        |                               | 2 Hatcheries   |                             | Maharashtra, Telangana   |
|        |                               | 8 Commercial Broiler branches  | 10 million                  | Maharashtra (5), Karnataka (1), Telangana (2)                            |
|        |                               | Over 400 Contract Farms  |                             | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                                  |
|        |                               | 1 Diagnostic Lab   |                             |  |
|        | Upcoming                      |  |                             |  |
|        | Animal Feedmills              | 2 Poultry Feedmills  |                             | Bihar (Expects to commission on 1Q16)                                    |
|        |                               |  |                             | Uttar Pradesh (In the midst of acquiring land)                           |
|        |                               | 1 Aqua Feedmill in West Bengal (Target to venture into this segment in 2016) |                             |  |
|        |                               | Cattle Feedmill (Long term target)   |                             |  |
|        | Poultry                       | 1 Hatchery   |                             | Maharastra (Expects to commission on 4Q15)                               |
|        |                               | 1 Animal Health Lab  |                             | Maharastra   |
|        |                               |  |                             |  |
| etnam  | Animal Feedmills              | 5 Swine & Poultry Feedmills  | 900,000 Ton                 | Huong Canh, Hoa Binh, Thai Binh, Long An, Binh Thuan                     |
|        | Swine                         | 1 Great Grandparent Stock Farm   | 700 heads                   | Binh Phuoc   |
|        |                               | 5 Grandparent Stock Farms  | 6,000 heads                 | Binh Thuan, Binh Duong, Vung Tau, Hoa Binh                               |
|        |                               | 16 Parent Stock Farms  | 28,500 heads                | Hoa Binh, Vinh Phuoc, Bac Giang, Vung Tau, Dong Nai, Xuan Loc, Binh Duon |
|        |                               | 3 Nursery Farms & over 50 Contract Farms                                     | 300,000 heads               | Across Vietnam   |
|        |                               | 12 Fattening Farms & over 80 Contract Farms                                  |                             |  |
| •      | Poultry                       | 10 Breeding Farms  | 517,000 Parent Stock        | Phu Tho, Vinh Phuc, Thai Binh, Binh Thuan, Dong Nai, Binh Phuoc          |
|        |                               | 4 Hatcheries   |                             |  |
|        |                               | Commercial Farms (Over 30 Company Farms & over 230 Contract Farms)           | 52 million birds            | Across Vietnam with more than 300 partnership farms                      |
|        |                               | 1 Slaughterhouse   | 2.9 million birds           | Hop Chau   |
|        | Upcoming                      |  |                             |  |
|        | Swine                         | Grandparent farms and artificial insemination centres                        | -                           | ·  |
|        |                               | To introduce bio-digesters to generate power for own use                     |                             |  |
|        |                               |  | <del></del>                 |  |
| yanmar | Animal Feedmills              | 2 Poultry Feedmills  | 210,000 MT                  | Yangon, Mandalay   |
|        | Poultry                       | 2 Breeding Farms   | 280,500 Parent Stock Female | Yangon   |
|        |                               | 2 Hatcheries   |                             |  |
|        |                               | Commercial Farms (Company Farms & about 100 Contract Farms)                  | 2.82 million birds          | Yangon, Mawlamying, Pyay, Pakokku, Naypyitaw, Meiktila, Mandalay         |
|        | Upcoming                      |  |                             |  |
|        | Poultry                       | Expand feedmills in Mandalay and Yangon                                      |                             |  |
|        |                               | Invest in a parent stock farm in Yangon                                      |                             |  |

### **Peer Comparison Table**

|                            | Bloomberg | Mkt Cap  | ΕV       | EV/EBITDA | EV/EBITDA | EV/EBITDA | P/E  | P/E  | P/E  | BEst PEG | Net D/E  | ROA | ROE  | P/B |
|----------------------------|-----------|----------|----------|-----------|-----------|-----------|------|------|------|----------|----------|-----|------|-----|
| Company                    | Ticker    | (SGD mn) | (SGD mn) | TTM       | FY1       | FY2       |      | FY1  | FY2  | FY1      | (%)      | (%) | (%)  |     |
| JAPFA LTD                  | JAP SP    | 652.9    | 2,127.3  | 6.9       | 7.2       | 5.1       | 13.5 | 13.3 | 6.3  | N/A      | 71.5     | 1.5 | 5.8  | 0.7 |
| Singapore                  |           |          |          |           |           |           |      |      |      |          |          |     |      |     |
| CHINA FISHERY GROUP LTD    | CFG SP    | 361.0    | 1,485.7  | 9.4       | 4.9       | 4.4       | 5.0  | 4.7  | 3.5  | N/A      | 89.6     | 1.1 | 2.2  | 0.2 |
| Hong Kong                  |           |          |          |           |           |           |      |      |      |          |          |     |      |     |
| CP POKPHAND CO LTD         | 43 HK     | 4,154.5  | 5,595.7  | 10.0      | 7.9       | 6.9       | 12.9 | 11.3 | 11.3 | 0.9      | 48.3     | 8.8 | 24.9 | 2.9 |
| Japan                      |           |          |          |           |           |           |      |      |      |          |          |     |      |     |
| CHUBU SHIRYO CO LTD        | 2053 JP   | 386.3    | 490.5    | 5.7       | N/A       | N/A       | 13.8 | 15.2 | 14.8 | N/A      | 27.8     | 3.2 | 5.6  | 0.7 |
| FEED ONE CO LTD            | 2060 JP   | 331.2    | 678.2    | 12.0      | N/A       | N/A       | 11.7 | N/A  | N/A  | N/A      | 114.2    | N/A | N/A  | 1.1 |
| SHOWA SANGYO CO LTD        | 2004 JP   | 877.6    | 1,314.6  | 8.7       | N/A       | N/A       | 15.5 | 13.3 | 12.4 | N/A      | 50.3     | 3.0 | 7.4  | 1.1 |
| Average                    |           |          |          | 8.8       | N/A       | N/A       | 13.7 | 14.2 | 13.6 | N/A      | N/A      | 3.1 | 6.5  | 1.0 |
| Korea                      |           |          |          |           |           |           |      |      |      |          |          |     |      |     |
| FARMSCO                    | 036580 KS | 752.4    | 948.4    | 18.5      | 14.3      | 10.6      | 49.6 | 21.6 | 11.6 | 0.3      | 65.4     | 1.8 | 4.6  | 2.2 |
| DAEHAN FLOUR MILLS CO LTD  | 001130 KS | 423.2    | 324.4    | 2.5       | N/A       | N/A       | 9.3  | N/A  | N/A  | N/A      | Net Cash | 4.1 | 6.0  | 0.6 |
| EASY BIO INC               | 035810 KS | 450.0    | 1,459.8  | 10.5      | N/A       | N/A       | 10.8 | N/A  | N/A  | N/A      | 207.1    | 2.1 | 12.9 | 1.4 |
| Average                    |           |          |          | 10.5      | 14.3      | 10.6      | 23.2 | 21.6 | 11.6 | 0.3      | 136.3    | 2.7 | 7.9  | 1.4 |
| Taiwan                     |           |          |          |           |           |           |      |      |      |          |          |     |      |     |
| GREAT WALL ENTERPRISES     | 1210 TT   | 636.4    | 1,232.8  | 13.5      | 24.4      | 20.6      | 18.2 | 20.0 | 18.4 | N/A      | 39.8     | 1.9 | 5.7  | 1.0 |
| Australia                  |           |          |          |           |           |           |      |      |      |          |          |     |      |     |
| RIDLEY CORP LTD            | RIC AU    | 387.3    | 445.3    | 7.5       | 7.7       | 7.0       | 18.1 | 15.6 | 12.9 | N/A      | 16.5     | 4.3 | 8.5  | 1.7 |
| Simple Average (Excl. SSG) |           |          |          | 9.8       | 11.8      | 9.9       | 16.5 | 14.5 | 12.1 | 0.6      | 73.2     | 3.4 | 8.6  | 1.3 |

Source: Bloomberg, Phillip Securities Research (Singapore) Estimates



#### **SWOT Analysis**

#### Strength:

- Vertically integrated business across entire value chain
  - enable Japfa to extract value via direct dealing with the farmers, customer or consumer
  - complement its other business arm
  - food safety assurance as products are traceable across the entire supply chain
  - well diversified portfolio, across protein segments and geographies strengthened its operational resilience
- Capacity to scale up and reap efficiency gains from economies of scale
- Strong brand name and distribution network induced growing market share
- Able to pass on raw material cost increases to customers

#### **Opportunities:**

- Government's support to build sustainable locally based food and agricultural systems and limit reliance on imports
- Urbanization/ growing urban population, and increasing purchasing power
- Protein consumption is still low in the emerging markets
- Change in food consumption patterns and trends
- Rising health awareness (e.g. drinking milk products, which are perceived to be healthy, benefited from this growing awareness, particularly among mid- to higher-income consumers)
- Ongoing technology advancement to improve productivity and yield
- Trade policies and Trans Pacific Partnership (TPP) will open up Export to neighboring markets with similar diets
- Development of modern retailing and fridge penetration helps boost sales

#### **Key Risks**

- Oversupply of DOC in Indonesia
- Change in climate affecting growth of livestock
- Natural hazard causing supply chain / infrastructure disruption
- Costs of animal feed ingredients
- Disease
- Food scare
- Change in food consumption patterns and trends
- Macro-economic performance of the countries it operates in
- Foreign exchange risk
- Government red tapes and policies
- WTO's trade policies, export/import tariff/quota

#### Weakness:

- Lack of infrastructure in these countries
- Demand affected by religion and seasonality (festive seasons, especially religious festivals)

#### Threats:

 Intensified competition landscape from rivals and substitutes (e.g. more convenient dietary supplements to replace milk for daily calcium intake)

#### **Investment Actions**

No stock rating or price target provided, as we do not have coverage on Japfa Ltd.



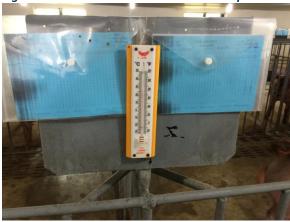
### A Peek Into the Xuan Tay Swine Farm (Dong Nai)

Figure 1. Entrance to the Swine Farm



Source: Company, Phillip Securities Research (Singapore)

Figure 3. Thermometer to monitor the temperature



Source: Company, Phillip Securities Research (Singapore)

Figure 5. Breeding mount used to collect semen from boars



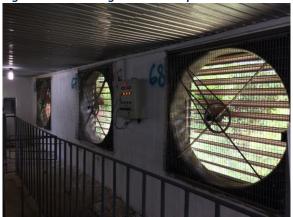
Source: Company, Phillip Securities Research (Singapore)

Figure 2. Clean and well-maintained pig-shed



Source: Company, Phillip Securities Research (Singapore)

Figure 4. Fans to regulate air temperature



Source: Company, Phillip Securities Research (Singapore)

Figure 6. Layout of Farrowing house





Figure 7. A sow suckling her piglets



Source: Company, Phillip Securities Research (Singapore)

### A Trip to the Binh Thuan Feedmill and Poultry Breeding PS Farm

Figure 8. In-house vaccine stored in a refrigerator



Source: Company, Phillip Securities Research (Singapore)

Figure 9. Broiler chickens in poultry house



Figure 10. Hen in her nesting box



Source: Company, Phillip Securities Research (Singapore)

Figure 12. Packing of raw materials



Source: Company, Phillip Securities Research (Singapore)

Figure 14. Machineries



Source: Company, Phillip Securities Research (Singapore)

Figure 11. Hatching eggs stored in the cooling room after selection and waiting to be transferred to hatchery



Source: Company, Phillip Securities Research (Singapore)

Figure 13. Raw material: Soy bean powder



Source: Company, Phillip Securities Research (Singapore)

Figure 15. Control room





Figure 16. Final product to ship out



Source: Company, Phillip Securities Research (Singapore)

Figure 18. Feed samples with various customisation



Source: Company, Phillip Securities Research (Singapore)

Figure 17. Loading bay



Source: Company, Phillip Securities Research (Singapore)

Figure 19. Quality check



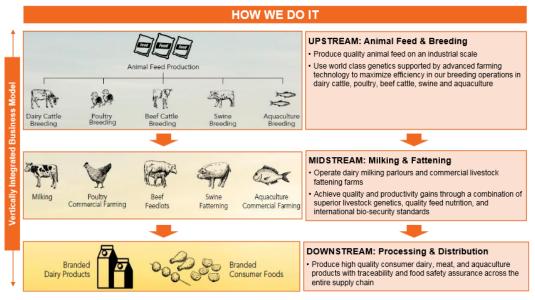


#### **Company Background**

Japfa Ltd. ("Japfa") is a leading pan-Asian industrial agri-food company, with an integrated network of modern farming, processing and distribution facilities in Indonesia, China, Vietnam, India and Myanmar. It specializes in producing quality dairy, multiple protein staples (poultry, beef, swine & aquaculture) and packaged food.

#### **Business Model**

### **Vertically Integrated Business Across Entire Value Chain**

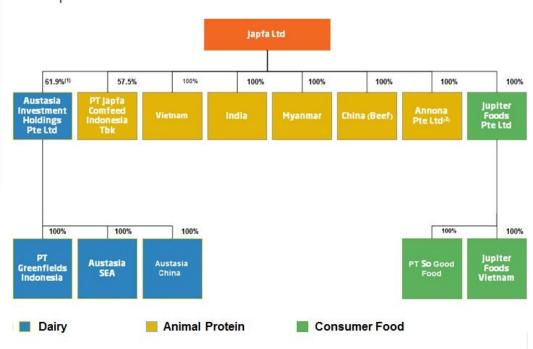


Source: Company



### **Corporate Governance**

# Group Structure



- (1) The Group also owns options that are likely to be exercisable before Aug 2018 (at a cost of US\$15.2 million) that will increase our interest in AIH to 68%.
- (2) The Group procures raw materials for its feed production segment from international suppliers via Annona Pte Ltd.
- (3) This diagram is for illustrative purpose only.

Source: Company

| Board of Directors              |  |                                     |
|---------------------------------|--|-------------------------------------|
| Goh Geok Khim                   | Non-Executive Independent Chairman             | Joined the Board since 30 June 2014 |
| Handojo Santosa @ Kang Kiem Han | Executive Deputy Chairman                      | Joined the Group since 1986         |
| Hendrick Kolonas                | Non-Executive Non-Independent Director         | Joined the Group since 2012         |
| Tan Yong Nang                   | Executive Director and Chief Executive Officer | Joined the Group since 2007         |
| Kevin John Monteiro             | Executive Director and Chief Financial Officer | Joined the Group since 1999         |
| Ng Quek Peng                    | Independent Director                           | Joined the Board since 29 July 2014 |
| Lien Siaou-Sze                  | Independent Director                           | Joined the Board since 29 July 2014 |
| Liu Chee Ming                   | Independent Director                           | Joined the Board since 29 July 2014 |

Source: Company



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