Animal Nutrition David Blakemore - President Animal Nutritional & Health

ROYAL DSM HEALTH NUTRITION MATERIALS



Safe harbor statement

- This presentation may contain forward-looking statements with respect to DSM's future (financial) performance and position. Such statements are based on current expectations, estimates and projections of DSM and information currently available to the company. DSM cautions readers that such statements involve certain risks and uncertainties that are difficult to predict and therefore it should be understood that many factors can cause actual performance and position to differ materially from these statements. DSM has no obligation to update the statements contained in this presentation, unless required by law.
- A more comprehensive discussion of the risk factors affecting DSM's business can be found in the company's latest Annual Report, which can be found on the company's corporate website, www.dsm.com



Animal Nutrition & Health



€2.4bn sales (2016) diversified across species, geographies, channel and a complete portfolio



Key trends impacting the Animal Nutrition & Health market



Dynamic, growth market requiring new solutions for sustainable animal protein production



Auctus - Our strategy for profitable, above-market growth Staying the course, accelerating execution





Continuing to deliver above-market growth



¹ excluding Vit E effect, growth in Animal Nutrition & Health would have been 9%

Business performance supports the strategic direction



Strategic growth plans aligned to market segments



Leveraging our strengths and focusing on growth segments and new space to drive ~5% organic growth



¹ CFE: Complete Feed Equivalent Page 5

Supporting Business Model drives above-market growth



The best of both worlds: economies of scale AND local market insights & customer intimacy



Market-back approach for incremental and breakthrough innovation



Intersection of species and regions drives our global innovation priorities



Innovation driving growth: Enzymes and Eubiotics in Poultry and Swine

Improved Feed Utilization Feed Enzymes





Improved Gut Health Eubiotics



 Well positioned to lead in developing the solutions space, with a renewed focus on nutritional solutions, eubiotic ingredients and innovation

Enzymes: market potential €1bn, growing >5%/yr | Eubiotics: market potential €2-3bn, growing ~10%/yr



Innovation driving growth: Sustainable Omega-3 solution for aquaculture

- Omega-3 fatty acids (EPA and DHA) from natural algae for animal nutrition without using fish oil from wild-caught fish
- Build new facility in the US, scheduled to open in 2019
- Investing US\$200m for a new facility in the US; scheduled to open in 2019 (investment of ~US\$100m for each party, over 2 years)
- Initial annual production capacity: ~15% of current annual demand for EPA and DHA in salmon aquaculture



DSM and Evonik breakthrough – shortening the natural food chain

1 kg of our EPA and DHA algal oil can replace 60 kg of wild catch fish



Attractive market potential of €1-2bn



Innovation driving growth: clean cow reducing methane emission

- Cows produce significant amount of methane, a potent greenhouse gas that causes climate change
- Trials with Clean Cow show >30% reduction in emissions

methane

- Focused on markets with highly developed dairy and beef production 95%
- Launch after 2019



Attractive market potential of €1-2bn



Confident on continued organic growth in Animal Nutrition for coming years

- Organic growth supported by ~2-3% market growth and....
 - Expansion of core premix footprint
 - New products and solutions
 - Growth in underpenetrated species
 - ✓ New business models



Enabling continued organic growth of ~5% in Animal Nutrition



BRIGHT SCIENCE. BRIGHTER LIVING.™