

Shaping the Future of Agriculture

Bank of America Merrill Lynch Global Agriculture & Materials Conference

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Cautionary Statements Regarding Forward-Looking Information

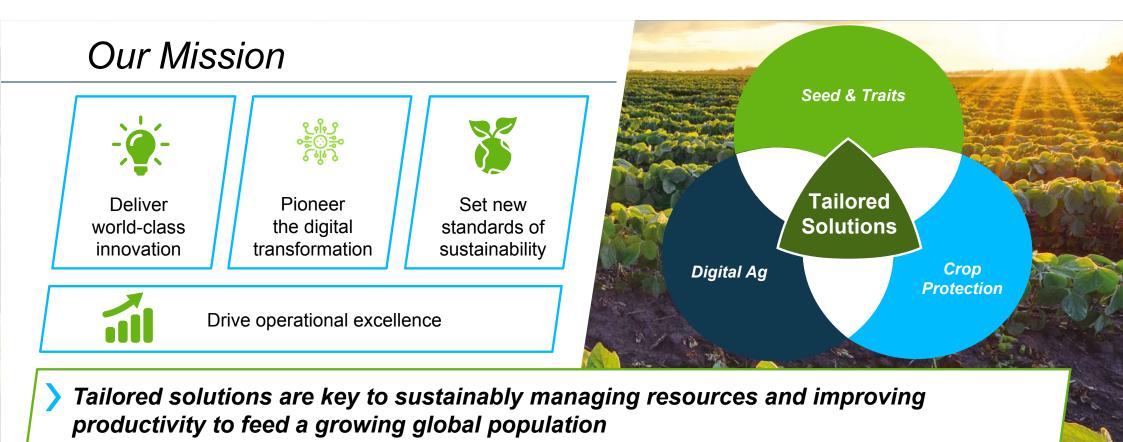
This presentation contains forward-looking statements. A forward-looking statement is any statement that does not relate to historical facts and events, but rather reflects Bayer's current beliefs, expectations and assumptions regarding the future. This applies, in particular, to statements in this presentation on revenue growth, including product introductions and peak sales potential, synergies, especially in relation to the acquisition and integration of Monsanto Company, portfolio adjustments, cost reduction, financial targets and earnings, cash flow generation, deleveraging and other similar statements relating to future performance, including with respect to the markets in which Bayer is active.

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For more information on factors that could cause actual results and future events to differ from those anticipated in forward looking statements, please refer to the factors discussed in Bayer's public reports which are available on the Bayer website at https://www.investor.bayer.com/en/reports/annual-reports/overview/, including in the Annual Report 2018 under the caption "Report on Future Perspectives and on Opportunities and Risks".

Shaping Agriculture to Benefit Farmers, Consumers and Our Planet

As the Industry Leader Uniquely Positioned to Create Value and Pioneer Tailored Solutions



The Established Leader in Crop Science

Grower Endorsement of Excellent Product Portfolio Evidenced by Industry Leading Sales



¹ The unaudited Pro-forma data are presented as if both the acquisition of Monsanto and the associated divestments had taken place as of January 1, 2017. Sales of Monsanto are presented in periods as per the Bayer fiscal year. One-time effects of business operations, the accounting for discontinued operations and the recognition and measurement of sales from certain business transactions have been adjusted in line with our accounting.

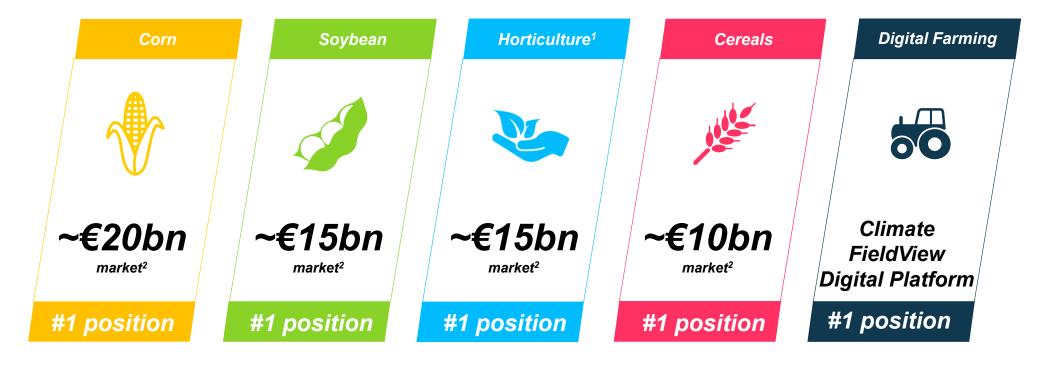
² Excludes non-agro business sales of ADAMA (nutritional supplements, aromatic products, industrial products)

³ Includes BASF Ag Sales 2017 as reported (€ 5.7bn) plus €2.2bn Pro-forma sales in 2017 from Bayer businesses sold to BASF

⁴ Not all products registered in all countries

Leading Position in All Major Categories

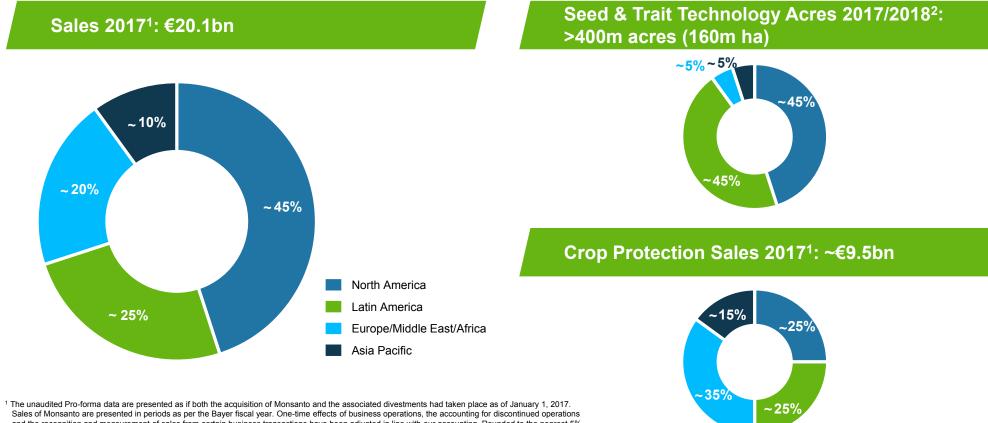
Crop Science Market² Currently Valued at ~€90bn // ~3% Long-term CAGR Expected



¹ Includes fruits, vegetables, flowers and nuts
 ² Includes seeds, traits, crop protection chemistries and environmental science; does not include fertilizer
 Note: Reflecting BCS' portfolio after divestments. Market sizes rounded to nearest \$5bn. Source: Pro-forma calculations Bayer; Bayer CS market model

World's Broadest Commercial Footprint in Agriculture

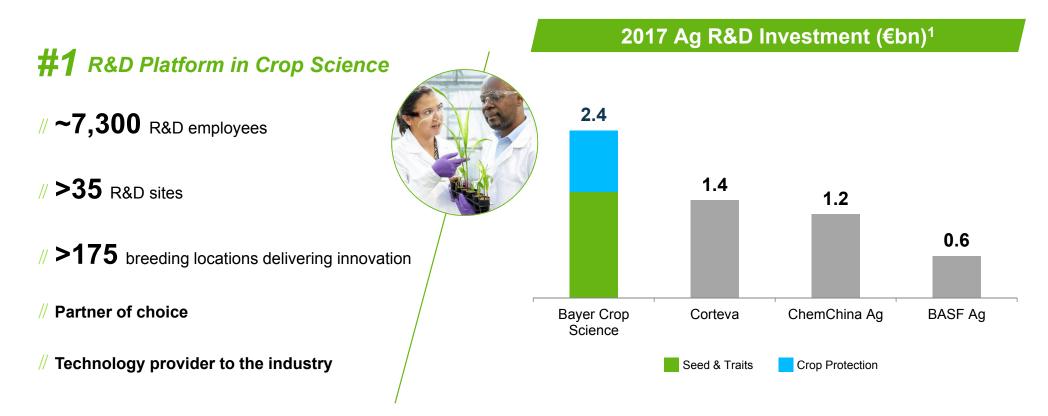
~7,800 Customer-facing Employees with Significant Opportunity to Optimize Portfolio Across Key Regions



Sales of Monsanto are presented in periods as per the Bayer fiscal year. One-time effects of business operations, the accounting for discontinued operations and the recognition and measurement of sales from certain business transactions have been adjusted in line with our accounting. Rounded to the nearest 5%. ² Internal estimates; represents acres containing at least one Bayer seed or biotech trait technologies

Unmatched Investment in R&D

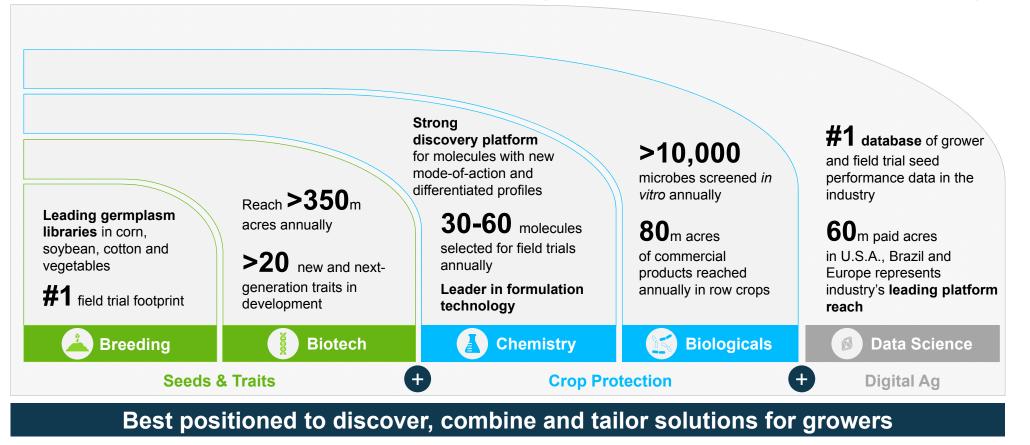
Shaping the Future of Agriculture with Most Productive Innovation Platform in the Industry



¹ Pro-forma estimates based on company information and internal calculations. | Bayer Pro-forma figures consider Monsanto acquisition and related divestments | Monsanto calendarized to twelve-month-period end ended November 30, 2017

Next Growth Opportunity: Convergence of Leading R&D Platforms

Extensive Germplasm and Biotech Foundation, Combined with Leadership in Chemistry and Biologicals and Data Science Optimization, Serves As Innovation Engine To Accelerate Benefits Across The Industry



Driving the Largest and Most Valuable R&D Pipeline in Ag

Highly Effective in Converting Investment into Meaningful Products for Farmers

Newly Combined Pipeline



Peak Sales Opportunity by Crop



¹ Represents non-risk adjusted estimated peak sales for the combined breeding, biotech, crop protection and environmental science pipelines. Applied FX rate of USD/EUR of 1.15

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Expect €17bn in Peak Sales from Recent and Near-Term Launches

	Recent Launches	2019-2020 ¹	2021-2022 ¹
Corn	 // Annual germplasm upgrades // BioRise 2 microbial seed treatment // Trecepta insect control trait // Delaro Fungicide, U.S.A. 	 // Annual germplasm upgrades // Nemastrike™ Technology nematicide // Vayego insecticide 	 Annual germplasm upgrades SmartStax PRO corn 3rd gen weed control management system
Soybean	 Annual germplasm upgrades Roundup Ready 2 Xtend soybean XtendiMax Herbicide with VaporGrip Technology 	 Annual germplasm upgrades XtendFlex soybean Soybean Cyst Nematode resistance trait Nemastrike Technology nematicide Fox Xpro fungicide, Brazil 	 Annual germplasm upgrades Intacta 2 Xtend trait Indiflin fungicide
Horticulture	// Annual germplasm upgrades (vegetables)	 // Annual germplasm upgrades(vegetables) // Tiviant fungicide // Vayego insecticide 	 Annual germplasm upgrades (vegetables) Highly concentrated biological fungicide
Cereal and Others	 Annual germplasm upgrades Bollgard II XtendFlex cotton Bollgard 3 XtendFlex cotton XtendiMax Herbicide with VaporGrip Technology 	 // Annual germplasm upgrades // Vayego insecticide (rice, other crops) // TruFlex canola weed management // Nemastrike™ Technology nematicide 	 // Annual germplasm upgrades // Lygus & Thrips control cotton
Digital Ag	 Advance Seed Scripting - corn Manuel Seed Scripting - corn Nitrogen Management Manuel Fertility Scripting for P,K, N,Lime 	 Corn Seed Advisor Expanded FieldView - EA FieldView - AR, PY, UY Irrigation mgmt EA Advanced Seed Scripting - BR Crop Protection Risk Tool FieldView - Retail Crop Protection Outcome-Based Models Fertility Risk Tool 	 Øutcome-based Models in Seed and Fertility Crop Disease Diagnosis FieldView – Fruits & Vegetables Soybean Seed Advisor

¹ Subject to regulatory approvals. Represents a subset of the pipeline; not representative of the entire €30bn peak sales opportunity

Well Positioned to Create Value in Ag with Genome Editing

Tools and Capabilities Build on Existing Core Competencies to Usher in New Benefits in the Next Decade

Transformative Editing Tools

Numerous technology licenses and partnerships, including:

Broad Institute



RNA-guided nucleases: CRISPR-Cas9 and CRISPR-Cpf1

Pairwise Plants

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PAIRWISE

Base editing technology, which is the next-generation of editing capability

Enabling & Differentiating Competencies

Germplasm

Plant genetics central to leading brand positions in key crops and countries



Genomics

Leading genome libraries and whole-genome sequencing capabilities

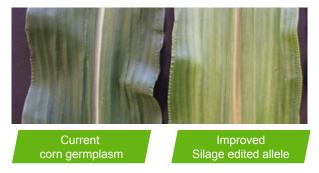
Testing Network

Leading field testing network, lined up end-to-end it wraps around the globe twice





Bring new products to market: improved silage quality in world-class germplasm





Deliver future agricultural benefits, including disease resistance, stress tolerance, and plant growth and development

FieldView Platform Leads the Digital Transformation in Agriculture

Provides Multiple Ways to Create Value for Farmers, the Industry and the Enterprise

Today: Agronomic services

- // Applications that visualize, analyze and recommend
- // Driven by data

\$1,000 subscription + \$300 hardware (FieldView Drive Starter Kit)

- // Data Visualization and Storage
- // Yield Analysis
- // Manual Fertility Scripting
- // Manual Seed Scripting
- // Field Health Imagery

Per-Acre Offerings

Advanced Seed Scripting Nitrogen Management Seed Placement Advisor

¹ All trademarks are the property of their respective owners.

Today: FieldView platform¹

50+ partners leverage FieldView platform to bring their digital Ag innovations to farmers, and pay for access to platform



Tomorrow: Enterprise benefit

Driving value across our internal operations and businesses by reducing production costs and enabling outcome-based pricing models to drive incremental sales

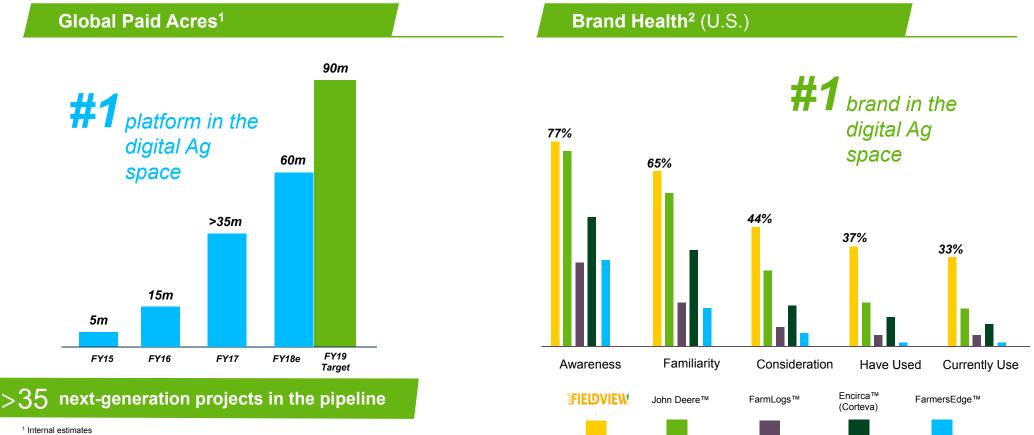
- // Commercial sales
- // Supply chain

// Technology

// Business analytics

FieldView: The Leading Brand and Platform for Growers

Our Value Creation is Supported by our Performance Trends; Paid Acres >7x Closest Competitor

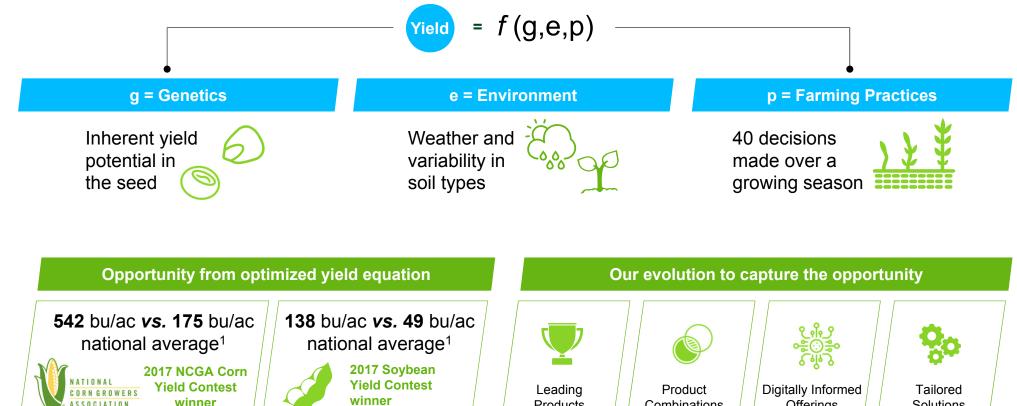


² 2018 Brand Health Monitor

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Opportunity for Digital Transformation and Tailored Solutions

Precise Resource Use and Innovation Required to Address Significant Demand Growth, Field Variability and Increased Pressure On Ecosystems



Products

Combinations

Offerings

Solutions

¹ USDA crop production summary report

SSOCIATION

BAYER

Poised to Solve Grower Challenges and Capture the Opportunity

Leadership in Digital Tools and Innovation Accelerates the Transformation

Significant opportunities ahead



Digitally informed offerings

Data science drives more informed decisions for growers and enables outcome-based offerings; 75% of U.S.A. farmers more likely to purchase a product with outcome-based pricing

FieldView Fungicide Pilot Program

~8 bu/acre¹ more yield when DEKALB[®] hybrids used with a fungicide¹



- # 15-20% of U.S.A. corn growers use a fungicide²
- SOLUTION: Offer outcome-based pricing at defined bu/ac threshold using Climate FieldView; rebate fungicide and application if yield gain is not achieved

¹ Internal R&D trials

² USDA NASS 2016/2017 report, figure 2 and internal estimates

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Short-Stature Corn Production System (Phase 2)

Tailored solutions

Tailored solutions create new value for farmers beyond the sum of the

products, benefit consumers and increase environmental sustainability

Benefits

// Increases precision of crop input applications through extended in-season crop access due to shorter height

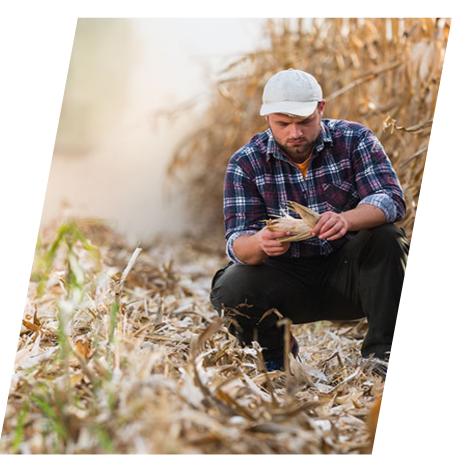


- # Reduced crop loss from lodging and greensnap due to improved plant stability
- // Increased environmental sustainability from optimized use of fertilizer, inputs, land and water

Base Case Targets at Least 30% EBITDA Margin by 2022

Upside Potential in Case of Commodity Cycle Recovery

	Guidance 2019	Target 2022 ¹
Sales growth ³	~4%	CAGR >4%
EBITDA margin ²	~25%	>30%



¹ 2022 targets at constant currencies, not including portfolio measures.

² EBITDA margin based on EBITDA before special items

3 Currency and portfolio adjusted rate

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Target Greater than 4% Sales CAGR from 2018 to 2022

Leadership and Innovation Translate into Above Market Sales Growth



€19.3bn¹

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Integration on Track and Culture Evolving to Serve our Customers

Leadership in Place and Very Positive Engagement Scores Noted Across Both Legacy Companies

Cultural Integration Priorities

Build on similarities



innovation, science and agriculture

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Center our efforts on shared passion for

Bridge complementary approach

Drive work that leverages global scale and respects local needs

Actively manage differences

Foster courageous decision-making and thorough execution based on data insights

Achievement-to-Date Highlights

- **Custome**r: Leadership met >2,000 customers in 15 countries
- Leadership positions: Top leadership teams named and operational (>400 positions), balance of legacy companies represented
- Cultural activation: All named leaders engaged in driving integrated culture
- // Exchange: ~30 leaders based in other legacy company site
- // Cultural integration: High engagement scores of ~85% at both legacy companies
- // Synergies: Validated ~€1bn synergies and achieved 2018 synergy aspirations
- # Systems and Processes: Day One IT fully functional, future integration approach confirmed
- // Governance: Bayer policy adoption confirmed across crop science

Focus on customers, business continuity and innovation

Targeted Synergies of ~€1bn (\$1.2bn) as of 2022

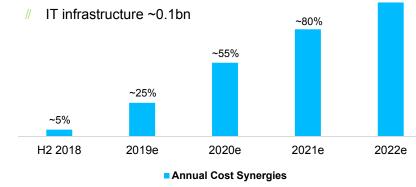
100%

Cost Synergies

EBITDA Target^{1,2}: ~€870m (~\$1bn) as of 2022

Key Initiatives:

- // Commercial and R&D Operations ~0.3bn
- # Support Functions & Country Integration ~0.3bn
- // Procurement & Product Supply ~0.1bn



Expected one-time costs (~€1.3bn)

¹ Net EBITDA impact before special items, net of estimated dissynergies such as termination of selected distribution agreements as well as sales disruptions ² Majority of one time costs to achieve synergies expected to be recorded as special items Applied FX rate of USD/EUR of 1.15

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Sales Synergies

EBITDA Target¹: ~€170m (~\$200m) as of 2022

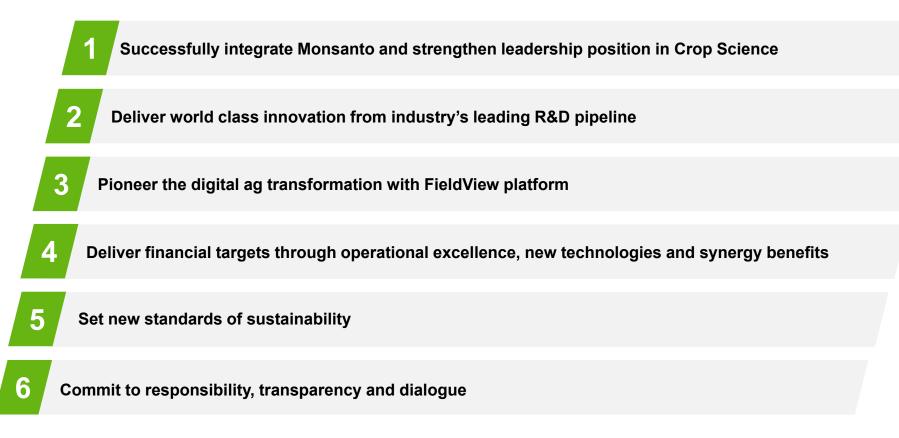
>60% of the sales synergies
 // U.S.A., Brazil, Argentina and Mexico
 // Increase crop protection

Four countries to generate

chemistry sales in Americas on the >400m acre seed & trait footprint; digital ag to serve as an enabler

Key Takeaways

Shaping agriculture to benefit farmers, consumers and our planet



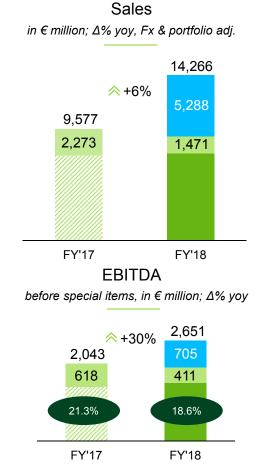


FY/Q4 2018 Crop Science Results

February 28, 2019



FY 2018 – Crop Science Global #1 in Agriculture



// //	Volume Price	+6% +0%	// //	Currency Portfolio	-4% +47%		
// Positive sales development in Latin America (+17%), North America (+8%) and Asia/Pacific (+10%)*							
 // Herbicides, fungicides and insecticides sales grew after the normalization of inventories in Brazil // Sales benefited from service agreements with BASF 							
	🗢 EBITDA Margin 📃 Mo	onsanto contribution since June	7	BASF divestment	*Δ% yoy, Fx & portfolio adj.		

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