

Bayer 2022: Delivering Value Creation

/////////

Oliver Luckenbach, Senior Manager Investor Relations

Roadshow Warsaw, Poland May 22, 2019





Disclaimer

Cautionary Statements Regarding Forward-Looking Information

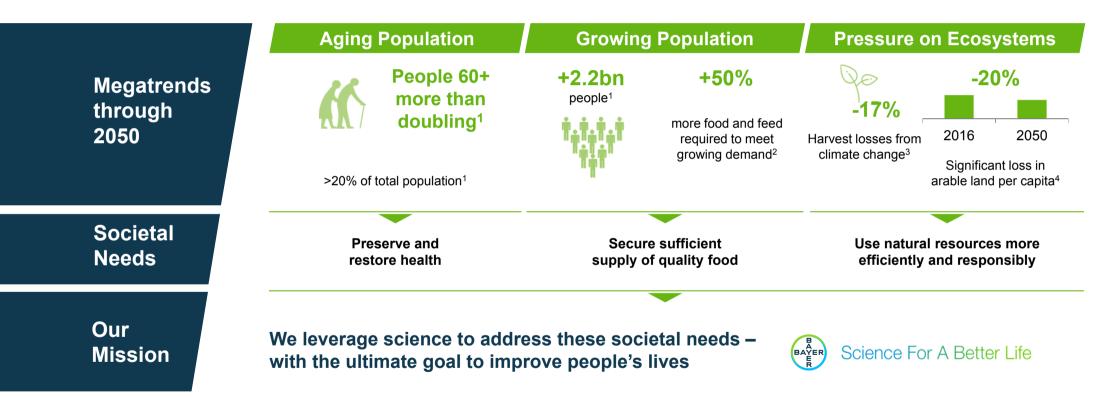
This presentation contains forward-looking statements. A forward-looking statement is any statement that does not relate to historical facts and events, but rather reflects Bayer's current beliefs, expectations and assumptions regarding the future. This applies, in particular, to statements in this presentation 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.

Although the forward-looking statements contained in this presentation are based upon what Bayer's management believes are reasonable assumptions, they necessarily involve known and unknown risks and uncertainties that could cause actual results and future events to differ materially from those anticipated in such statements. Forward-looking statements are not guarantees of future performance and undue reliance should not be placed on them. Bayer undertakes no obligation to update forward-looking statements if circumstances or management's estimates or opinions should change except as required by applicable securities laws.

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 2017 under the caption "Report on Future Perspectives and on Opportunities and Risks".

Global Megatrends in Health & Nutrition

Attractive Macro Drivers of Our Businesses

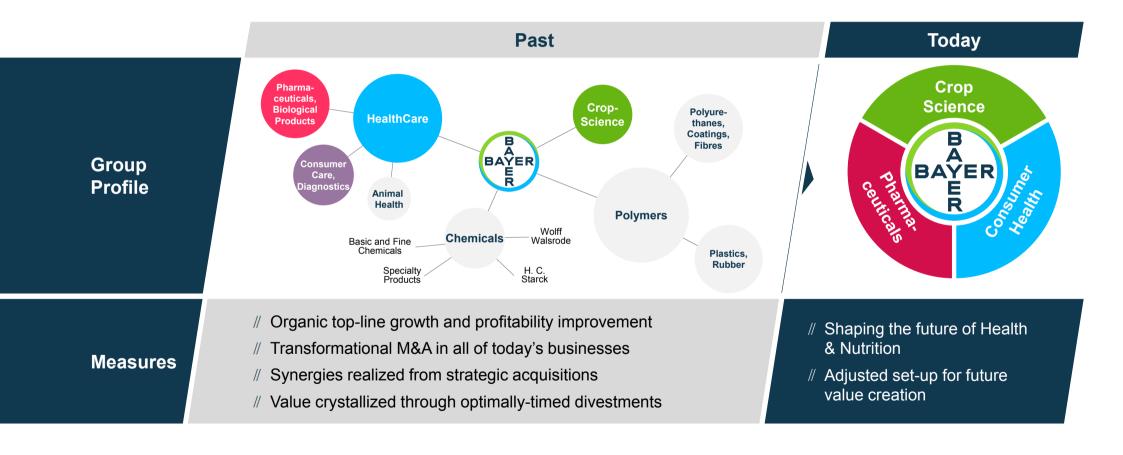


¹ UNDESA 2017 (United Nations Department of Economic and Social Affairs, Population Division (2017). World Population Prospects: The 2017 Revision)

- ² FAO 2017, (FAO Global Perspective Studies)
- ³ Nelson et. al, (2014); FAO 2016 "Climate change and food security"

⁴ FAOSTAT (accessed Oct 30, 2018) for 1961-2016 data on land, FAO 2012 for 2030 and 2050 data on land, and UNDEDA 2017: World Population Prospects for world population data

Transformation into a Leader in Health & Nutrition – Next Phase to Deliver Future Value Creation



We are a Global Leader in Health & Nutrition

Well-Positioned Across Our Businesses



~€45bn 2018 Pro-forma Sales¹

Crop Science ~€19bn / ~43% of Group

#1 Position

Growing ahead of competition over

Best-in-class profitability through

// Leading portfolio of seed & traits,

Positioned to shape the future of agriculture: development of tailored

needs and challenges

crop protection and digital farming

// World-class R&D platform with best

talent and technology in the industry

solutions to address farmers' individual

last five years on average

the cycle

Pharmaceuticals

~€17bn / ~38% of Group #2 Position in Cardiovascular

One of the fastest growing Pharma businesses over the past five years Xarelto and Eylea among the world's leading Pharma brands

// Innovative medicines in areas of high unmet medical need

- // Therapeutic focus areas: Cardiology, Oncology, Gynecology, Hematology and Ophthalmology
- // Strong position in emerging markets
- // Leading in Radiology and Women's Health

Consumer Health

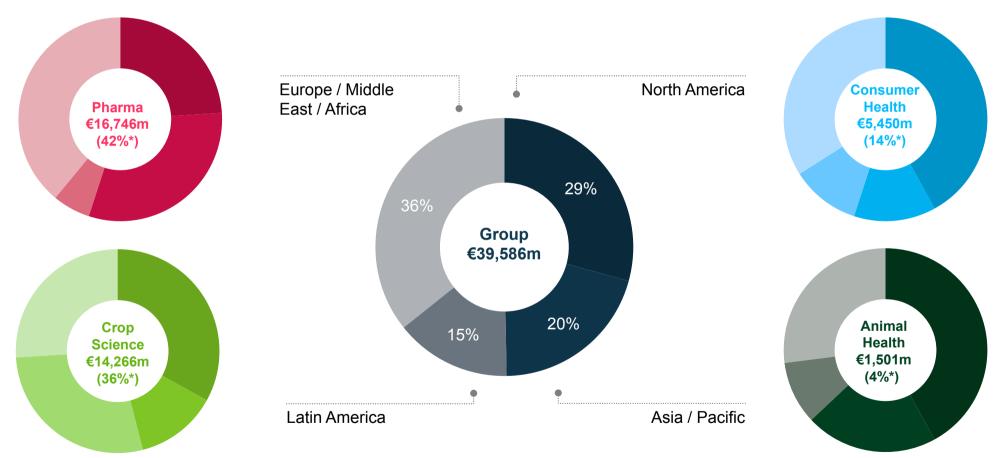
~€5bn / ~12% of Group #2 Position

Leading Positions in 7 of the Top 10 OTC Markets

- // Focus categories:
 - Allergy & Cold, Cough, Sinus and Flu; Nutritionals; Dermatology; Pain and Cardio; Digestive Health
- Concentrated portfolio of 16 mega-brands with annual sales of >€100m

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, 2018. 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. Due to this simplified procedure, they explicitly do not reflect sales according to IFRS or IDW RH HFA 1.004, meaning they have not been audited.

FY 2018 – Sales Breakdown by Region



in € million; ∆% yoy, Fx & portfolio adj.; *Sales share; remaining 4% all other segments and corporate

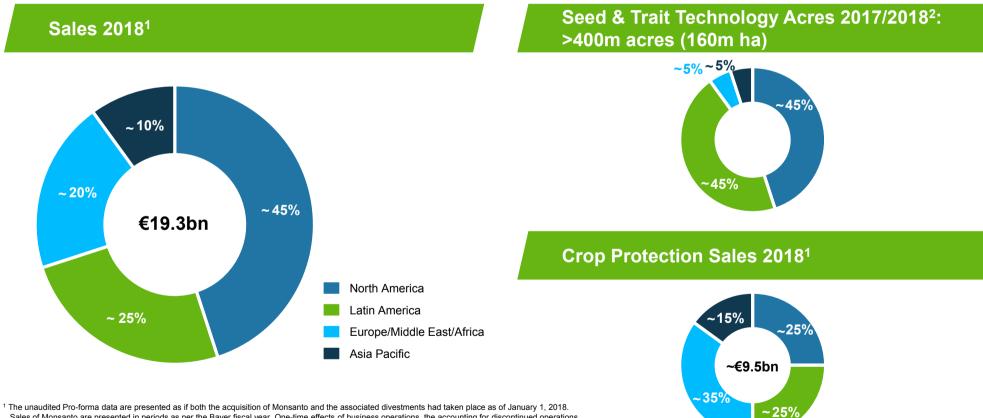
Pharma Innovative Medicines in Areas of High Unmet Medical Need



Emerging markets include Latin America, Asia (w/o Japan, Australia, New Zealand), Africa and Middle East incl. Turkey, Eastern Europe

Crop Science World's Broadest Commercial Footprint in Agriculture

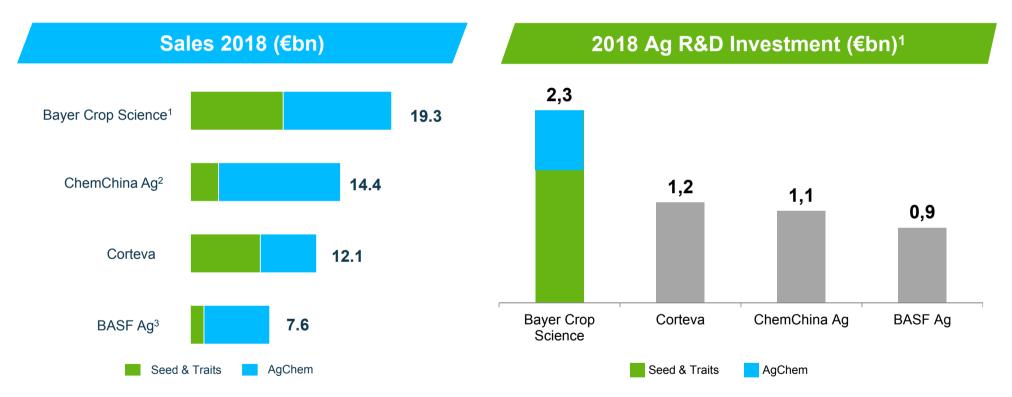
~7,800 Customer-facing Employees with Significant Opportunity to Optimize Portfolio Across Key Regions



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, 2018. 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

Crop Science The Established Leader in Crop Science

Industry Leading Sales and Unmatched Investment in R&D



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)

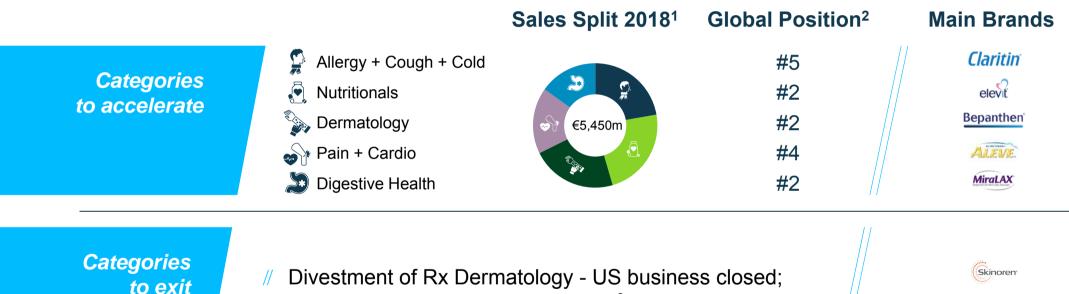
³ Includes BASF Ag Sales 2018 as reported plus €1.4bn (€2.027m sales FY 2018 excluding €586m sales from Jan '18 until cut-off in Aug '18) reported sales in 2018 from Bayer businesses sold to BASF. Split between Seed and CP businesses based on internal estimates. ⁴ Exchange rate: FY 2018: ~1.18 USD/EUR

⁵ Competitor Pro forma R&D cost split not available

Consumer Health



We Will Focus on our Core OTC Categories To Leverage our Science and Marketing Capabilities

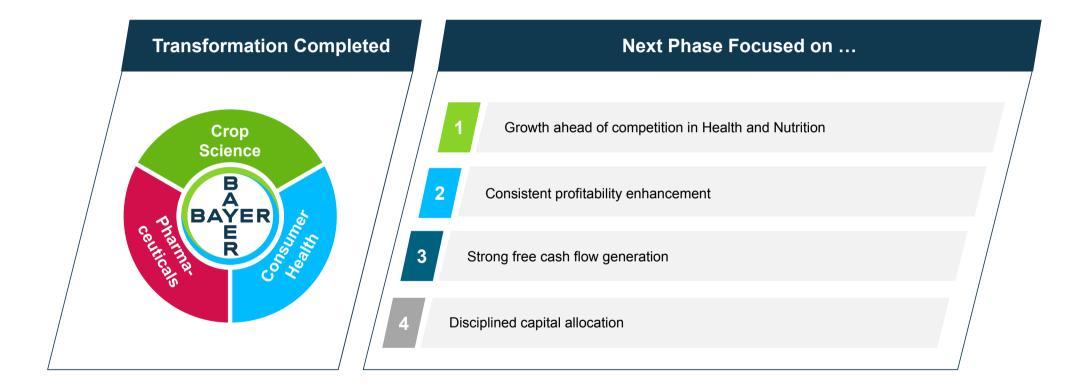


- closing ex-US expected in H2 2019³
- # Explore exit options for Sun- and Footcare in 2019



¹ Excluding Derma Rx, Suncare, Footcare
 ² PARS database January 2019
 ³ Subject to the fulfillment of customary closing conditions

Next Phase to Deliver Value Creation



We Focus on Growth in Attractive Markets

	Ма	rket	Bayer's growth levers
Bayer Group	Size 2017	CAGR 2018-2022	 Using our leading positions in Agriculture, Pharmaceuticals and Self-care to address societal needs and benefit from global megatrends Drive innovation
Crop Science	~€90bn ¹	~3% ²	 Leading portfolio of seed & traits, crop protection and digital farming World-class R&D platform with best talent and technology in the industry Positioned to shape the future of agriculture: Development of tailored solutions to address farmers' individual needs and challenges
Pharma- ceuticals	~€870bn ³	4-5%	 Innovative medicines in areas of high unmet medical need Therapeutic focus areas: Cardiology, Oncology, Gynecology, Hematology and Ophthalmology Leverage external innovation and partnering as well as pipeline and potential of current products
Consumer Health	~€140bn ⁴	3-4%	 Branded self-care solutions that help transform people's daily health Focus on five core categories

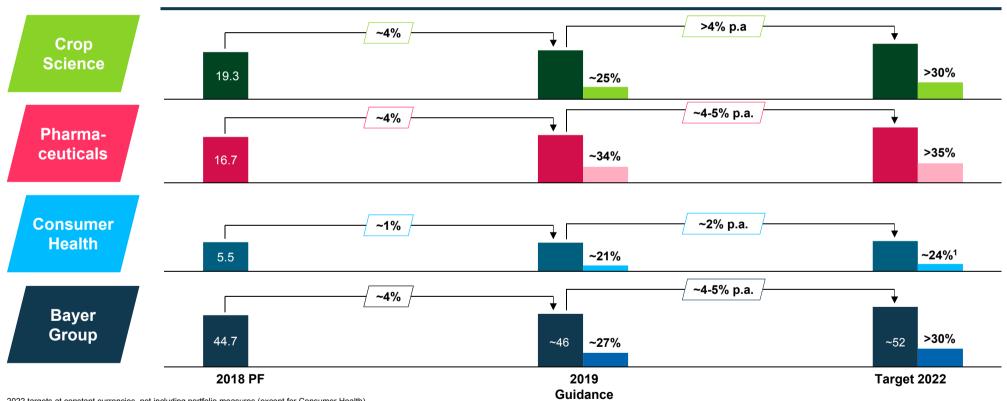
¹ Pro-forma calculations Bayer, Bayer CS market model; ² excluding potential cyclical recovery of the Crop Science market; ³ IQVIA; ⁴ Market model in-market sales OTC medicines, data from IQVIA, Nicholas Hall

BAYER Bayer 2022 Synergy & Efficiency Programs

		Crop Science	Consumer Health	Pharmaceuticals	
		Realization of Crop Science sales and cost synergies	Comprehensive growth acceleration program	Re-alignment of R&D activities towards external innovation / Hemophilia	Overall Contribution ~€2.6bn ²
		~€0.17bn (=\$0.2bn) sales synergies¹		production footprint	Global FTE
		~€0.47bn (=\$0.55bn) cost synergies	~€0.4bn contribution	~€0.2bn contribution	impact ~12,000
E		~€0.40bn (=\$0.45bn) cost synergies	~€0.1bn contribution		One-Time Cost ~1.7X
Platform	Adjustment of corporate platform	of	~€0.9bn contribution		1.78

 1 EBITDA before special items impact from sales synergies 2 Indicative Phasing: ~30% effective in 2020, ~70% in 2021 and 100% in 2022

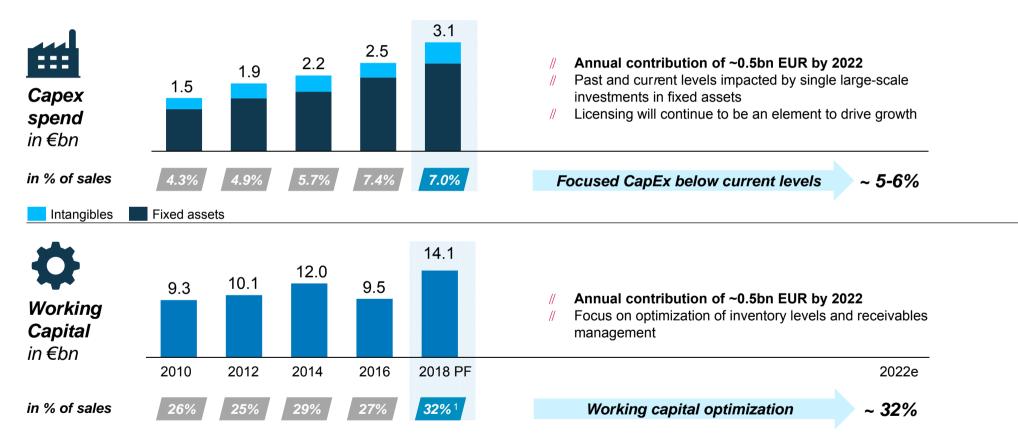
Targeting Significant Profitability Improvements Across All Divisions



Sales and EBITDA before special items (margin) development (in €bn, %)

2022 targets at constant currencies, not including portfolio measures (except for Consumer Health) ¹ Includes portfolio measures

Cash Flow Improvement Focusing on Capex and Working Capital Optimization



¹ Crop Science 48%, Pharmaceuticals 24%, Consumer Health 24%

Group Targets - Value Creation from Strengthened Base

Triple Leverage

€bn		2018 PF	Guidance 2019	Target 2022	CAGR 2018-22 ²
	Total Group	44.7	~46 (~4%)	~52	~4%
	Crop Science	19.3	~4%		>4%
Sales ¹	Pharmaceuticals	16.7	~4%		~4-5%
	Consumer Health	5.5	~1%		~2%
	Total Group		~12.2 (~27%)	~16 (>30%)	~9%
EBITDA	Crop Science		~25%	>30%	
before special items (%)	Pharmaceuticals		~34%	>35%	
	Consumer Health		~21%	~24%4	
Core EPS (€)			~6.8	~10	~10%
FCF		~4.7 ³	~3-4	~8	~18%
Net financial debt		~35.7 ³	~36 ⁵	~26-28	

2022 targets at constant currencies, not including portfolio measures (except for Consumer Health)

¹ Sales: cpa growth; ² CAGR from 2018 base year; ³ as reported; ⁴ includes portfolio measures; ⁵ including around ~€1bn lease liability due to IFRS 16

BAYER E R

We Have Clear Priorities for Capital Allocation

Focus on Shareholder Return, Innovation and Deleveraging



Divestment

¹ Before M&A / Portfolio

We Will Create Significant Value Through 2022 and Beyond

Focus on Execution and Driving Sustained Profitable Growth...



We have completed Bayer's portfolio transformation into a global leader in Health & Nutrition



The next phase is focused on driving value creation through (i) growth ahead of competition enabled by innovation and portfolio measures (ii) profitability enhancement through Bayer 2022 synergy and efficiency programs and (iii) strong cash generation



We target Sales, Core EPS and FCF CAGR* until 2022 of 4%, 10% and 18%, respectively



Strong FCF along with proceeds from divestments enable (i) growing dividends, (ii) quick deleveraging of our balance sheet and (iii) selective bolt-ons and in-licensing transactions

2018e PF used for Sales and Core EPS; 2018e used for FCF



/////////

Q1 2019 & Outlook 2019





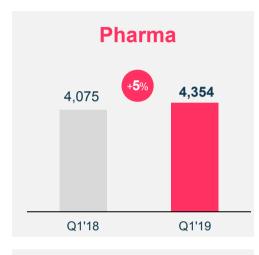


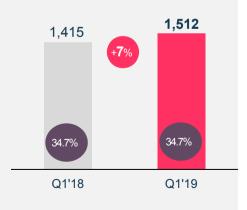
• EBITDA Margin before special items

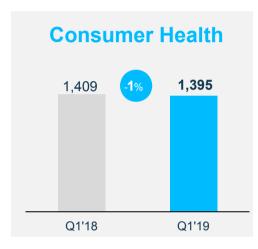


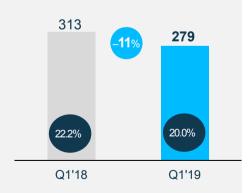
Divisional Q1 Results











• EBITDA Margin before special items

FY 2019 Guidance Confirmed



¹ Monsanto included since June 7 and assets divested to BASF included until August 2018

Progress in All Focus Areas



Target Delivery

Deliver on operational targets



Crop Science

Integration of acquired business to shape the future of agriculture



Pharmaceuticals

 Further strengthening of pipeline and intensify external sourcing



Consumer Health

Drive performance improvement



Efficiency / Bayer 2022

 Execute efficiency improvement program and realize synergies



Portfolio Measures

Execution of announced portfolio measures for sharpened business focus



Appendix

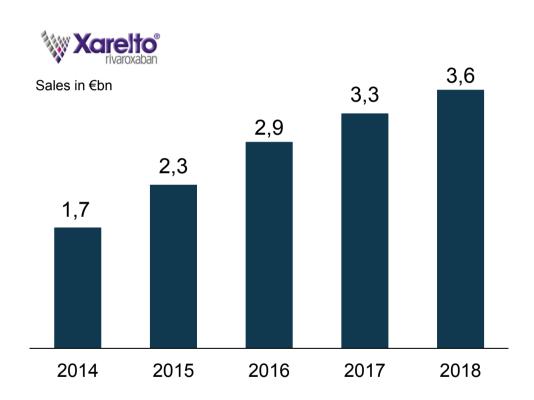


FY 2019 Guidance: Further Growth Expected for All Segments

	Sales 2018	EBITDA-margin 2018 (before special items)	Sales Growth 2019 (cpa²)	EBITDA-margin 2019 (before special items)
			(at constant	currencies)
Crop Science	€14.3bn¹	18.6%	~4%	~25%
Pharma	€16.7bn	33.4%	~4%	~34%
Consumer Health	€5.5bn	20.1%	~1%	~21%
Animal Health	€1.5bn	23.9%	~4%	~24%

¹ Monsanto included since June 7 and assets divested to BASF included until August 2018; ² currency and portfolio adjusted

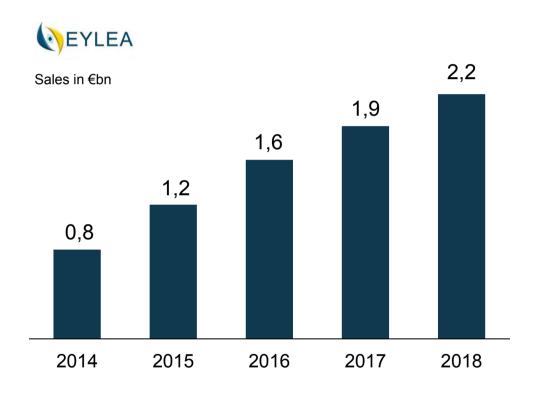
Pharma Xarelto – Continued Growth of a Leading Anticoagulant



CAD: Coronary artery disease; PAD: Peripheral artery disease $^1\,\text{Ex-US}$ sales plus royalty from J&J as reported by Bayer

- // Most broadly indicated anticoagulant for use in venous and arterial thromboembolic conditions
- # A leading pharma brand with global sales of €5.2bn in 2018 incl. sales at Johnson & Johnson
- // New CAD/PAD indication launching in EU and the US
- // Peak sales potential: >€5.0bn¹
- // Further growth driven by:
 - // Under-served patient populations
 - // Demographics
 - // Shift from warfarin
 - // New indications targeting patients currently not treated with anticoagulants

Pharma Eylea – A Leader in Retinal Diseases



- # A leader in retinal diseases with global brand sales of €5.6bn in 2018 incl. sales at Regeneron¹
- // Approved for the treatment of 5 retinal diseases: wAMD, DME, BRVO, CRVO, mCNV
- // Treat and extend dosing regimen with injection intervals of up to 12 weeks or more for wAMD
- // Peak sales potential: >€2.5bn²
- // Further growth driven by:
 - // Continued generation of real-life experience in wAMD across key markets and treatment-naïve patient share gains
 - // Market expansion in DME

¹ Marketed by Bayer ex-US only; ² As reported by Bayer wAMD: Wet age related macular degeneration; DME: Diabetic macular edema; BRVO: Branch retinal vein occlusion; CRVO: Central retinal vein occlusion, mCNV: Myopic choroidal neovascularization

Pharma Late-stage Pipeline with Progress in Oncology

Darolutamide met Primary Endpoint in Phase III-trial and FDA-approval of Vitrakvi

	Vitrakvi	Darolutamide	Copanlisib	Finerenone	Vericiguat
Indication	// TRK-fusion Cancer	// Prostate Cancer	// Lymphoma	// Diabetic Kidney Disease	// Chronic Heart Failure
Q Status	// FDA approved / in registration	<pre>// Phase III (nmCRPC) // Phase III (mHSPC)</pre>	<i>I Launched in the US</i><i>Phase III</i>	// Phase III	 <i>Phase III</i> (HFrEF) <i>Phase II</i> (HFpEF)
€ Commercial Potential	 ∥ PSP >€750m	∥ PSP <i>≥</i> €1bn	 ∥ PSP <i>≥</i> €0.5bn	 ∥ PSP <i>≥</i> €1bn	// PSP ~€0.5bn
Clinical Completion	// Clinical program ongoing	 <i>Completed</i> (ARAMIS, nmCRPC) <i>Aug 2022e</i> (ARASENS, mHSPC) 	 <i>May 2020e</i> (CHRONOS-3) <i>Sep 2021e</i> (CHRONOS-4) 	 <i>April 2020e</i> (FIDELIO-DKD) June 2021e (FIGARO-DKD) 	 <i>Jan 2020e</i> (VICTORIA, HFrEF) <i>Dec 2019e</i> (VITALY, HFpEF)

NTRK: Neurotrophic receptor tyrosine kinase; nmCRPC: Non-metastatic castration resistant prostate cancer; mHSPC: Metastatic hormone sensitive prostate cancer; HFrEF: Heart failure with reduced ejection fraction; HFpEF: Heart failure with preserved ejection fraction; PSP: Peak sales potential

Consumer Health

Strong Consumer Brands Built up Over Decades

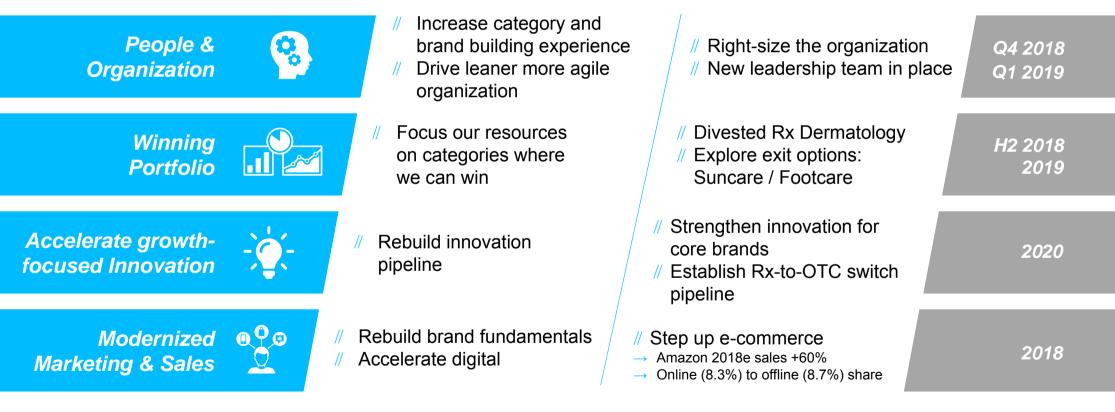
Brand	Category	Age	Sales 2018	CAGR 2014-2018	# of studies ²
	Pain, Cardio, Cough & Cold	120	€975m	3.0%	88
<i>Claritin</i>	Allergy	26 ¹	€516m	-1.0%	82
Bepanthen	Dermatology	75	€371m	7.0%	116
ALENE.	Pain	43 ¹	€351m	-0.9%	42
Alka- Seltzer	Digestive Health, Cough & Cold	88	€225m	-1.2%	7
elevit	Nutritionals	35	€209m	20.9%	6

¹ Rx launch; ² Past 20 years of clinical data, as of December 2018

BAYER ER R

Consumer Health US Turnaround Plan

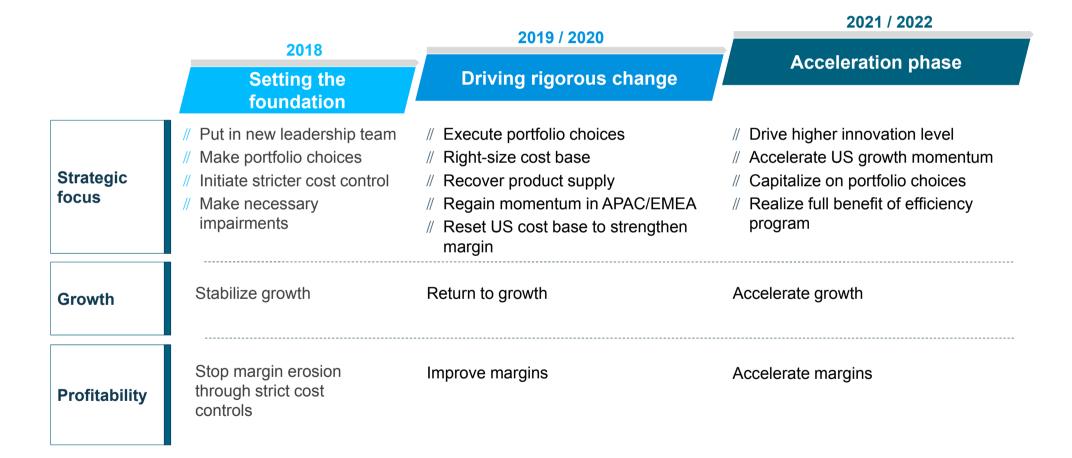
Levers and key focus areas



First actions

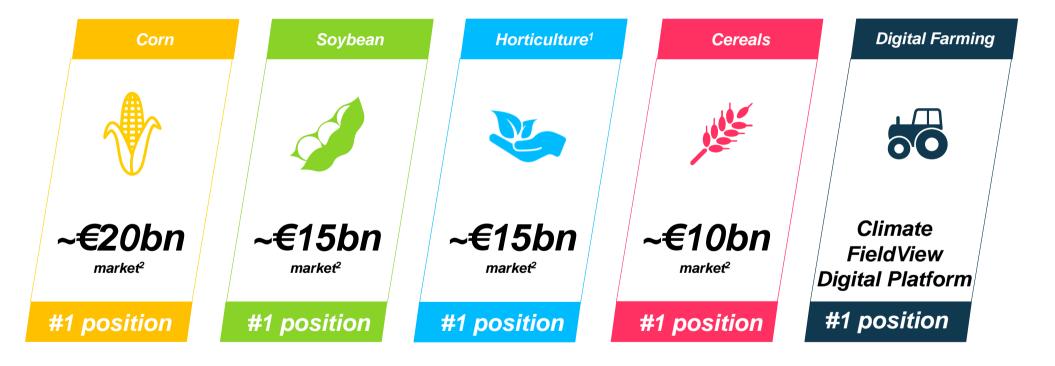
Consumer Health

Our Strategic and Operational Roadmap



Crop Science 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

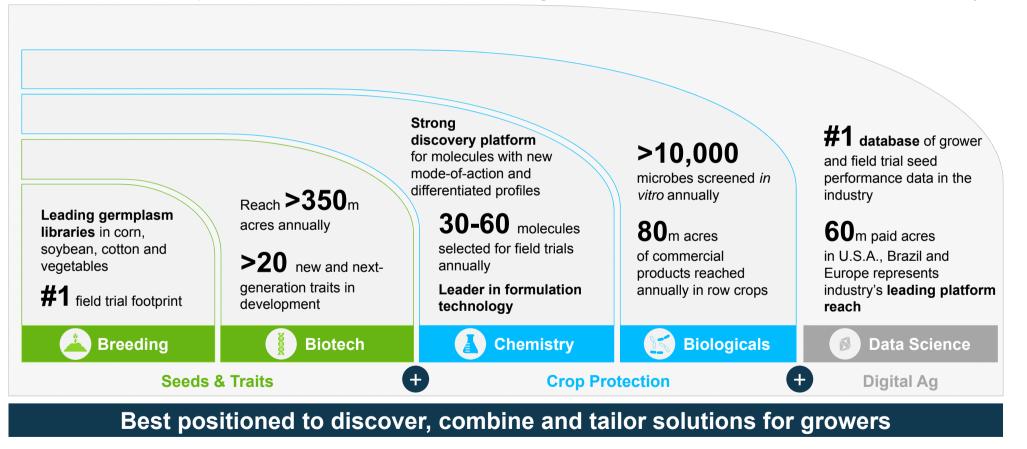
² Includes seeds, traits, crop protection chemistries and environmental science; does not include fertilizer

Note: Reflecting BCS' portfolio after divestments. Market sizes rounded to nearest \$5bn. Source: Pro-forma calculations Bayer; Bayer CS market model

BAYER ER R

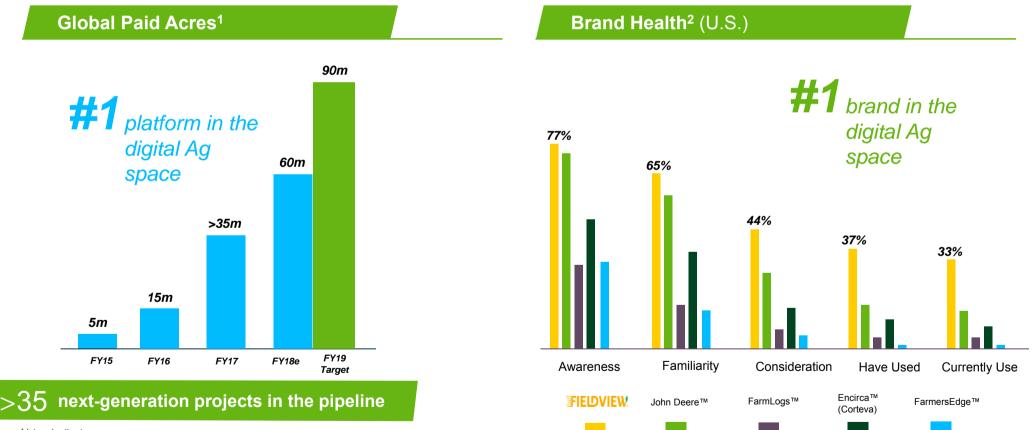
Crop Science Next Growth Opportunity: Convergence of Leading R&D Platforms

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



Crop Science FieldView: The Leading Brand and Platform for Growers

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



¹ Internal estimates ² 2018 Brand Health Monitor



/////////

Thank you

