Bayer 2022: Delivering Value Creation

Oliver Maier, Head of Investor Relations
Laura Meyer, Senior Manager Investor Relations
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Global Megatrends in Health & Nutrition
Attractive Macro Drivers of Our Businesses

Megatrends through 2050

Societal Needs

Our Mission

We leverage science to address these societal needs – with the ultimate goal to improve people’s lives

Aging Population

Growing Population

Pressure on Ecosystems

People 60+ more than doubling¹

+2.2bn people¹

+50%

more food and feed required to meet growing demand²

>20% of total population¹

Secure sufficient supply of quality food

Use natural resources more efficiently and responsibly

Preserve and restore health

Harvest losses from climate change³

-17% 2016

-20% 2050

Significant loss in arable land per capita⁴

2 FAO 2017. (FAO Global Perspective Studies)
3 Nelson et. al., (2014); FAO 2016 “Climate change and food security”
Transformation into a Leader in Health & Nutrition – Next Phase to Deliver Future Value Creation

Group Profile

Past

Chemicals

HealthCare

Crop-Science

Polymers

Basic and Fine Chemicals

Specialty Products

Wolff-Walsrode

H. C. Starck

Wolff-Walsrode

H. C. Starck

Today

Crop Science

Pharmaceuticals, Biological Products

Consumer Care, Diagnostics

Animal Health

Wolff-Walsrode

H. C. Starck

Polymers

Plastics, Rubber

Crop Science

Pharmaceuticals

Consumer Health

Measures

// Organic top-line growth and profitability improvement
// Transformational M&A in all of today’s businesses
// Synergies realized from strategic acquisitions
// Value crystallized through optimally-timed divestments

// Shaping the future of Health & Nutrition
// Adjusted set-up for future value creation
We are a Global Leader in Health & Nutrition
Well-Positioned Across Our Businesses

~€45bn 2018 Pro-forma Sales

Crop Science
~€19bn / ~43% of Group
#1 Position
Growing ahead of competition over last five years on average
Best-in-class profitability through the cycle
// 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

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

**Group €39,586m**

- **Pharma €16,746m (42%*)**
- **Crop Science €14,266m (36%*)**
- **Consumer Health €5,450m (14%*)**
- **Animal Health €1,501m (4%*)**

**Region Breakdown**

- **Europe / Middle East / Africa** 36%
- **North America** 29%
- **Latin America** 15%
- **Asia / Pacific** 20%

*In € million; Δ% yoy, Fx & portfolio adj.; *Sales share; remaining 4% all other segments and corporate
Pharma
Innovative Medicines in Areas of High Unmet Medical Need

Therapeutic area focus

- Cardiovascular
- Hematology
- Ophthalmology
- Oncology
- Radiology
- Women’s Health
- Other

Sales 2018 €16.7bn

Emerging markets exposure

- Established Markets
- Emerging Markets

Sales 2018 €16.7bn

33%

Global leadership in important therapeutic areas

- No. 1 in Retinal Diseases
- No. 1 in Women’s Health
- No. 1 in Radiology
- No. 2 in Cardiovascular
- No. 2 in Hematology

Leading Brands

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

Sales 2018

- ~10%
- ~20%
- ~25%
- ~45%

€19.3bn

Seed & Trait Technology Acres 2017/2018:
>400m acres (160m ha)

Crop Protection Sales 2018

- ~15%
- ~25%
- ~35%
- ~25%

~€9.5bn

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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

Sales 2018 (€bn)

- Bayer Crop Science: 19.3
- ChemChina Ag: 14.4
- Corteva: 12.1
- BASF Ag: 7.6

2018 Ag R&D Investment (€bn)

- Bayer Crop Science: 2.3
- Corteva: 1.2
- ChemChina Ag: 1.1
- BASF Ag: 0.9

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 (€2.027bn 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

Sales Split 2018¹  Global Position²  Main Brands

<table>
<thead>
<tr>
<th>Categories to accelerate</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales Split 2018¹</td>
<td>Global Position²</td>
<td>Main Brands</td>
</tr>
<tr>
<td>€5,450m</td>
<td>#5</td>
<td>Claritin</td>
</tr>
<tr>
<td>Allergy + Cough + Cold</td>
<td>#2</td>
<td>elevit</td>
</tr>
<tr>
<td>Nutritionals</td>
<td>#2</td>
<td>Bepanthen</td>
</tr>
<tr>
<td>Dermatology</td>
<td>#2</td>
<td>ALEVE</td>
</tr>
<tr>
<td>Pain + Cardio</td>
<td>#4</td>
<td>MiraLAX</td>
</tr>
<tr>
<td>Digestive Health</td>
<td>#2</td>
<td></td>
</tr>
</tbody>
</table>

Categories to exit

// Divestment of Rx Dermatology - US business closed; 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

Transformation Completed

Next Phase Focused on …

1. Growth ahead of competition in Health and Nutrition
2. Consistent profitability enhancement
3. Strong free cash flow generation
4. Disciplined capital allocation
We Focus on Growth in Attractive Markets

<table>
<thead>
<tr>
<th>Market</th>
<th>Bayer’s growth levers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bayer Group</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Crop Science</strong></td>
<td>// Leading portfolio of seed &amp; traits, crop protection and digital farming</td>
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<td></td>
<td>// World-class R&amp;D platform with best talent and technology in the industry</td>
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<tr>
<td></td>
<td>// Positioned to shape the future of agriculture: Development of tailored solutions to address farmers’ individual needs and challenges</td>
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<td><strong>Pharmaceuticals</strong></td>
<td>// Innovative medicines in areas of high unmet medical need</td>
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<tr>
<td></td>
<td>// Therapeutic focus areas: Cardiology, Oncology, Gynecology, Hematology and Ophthalmology</td>
</tr>
<tr>
<td></td>
<td>// Leverage external innovation and partnering as well as pipeline and potential of current products</td>
</tr>
<tr>
<td><strong>Consumer Health</strong></td>
<td>// Branded self-care solutions that help transform people’s daily health</td>
</tr>
<tr>
<td></td>
<td>// Focus on five core categories</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Market</th>
<th>Size 2017</th>
<th>CAGR 2018-2022</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bayer Group</strong></td>
<td>~€90bn¹</td>
<td>~3%²</td>
</tr>
<tr>
<td><strong>Crop Science</strong></td>
<td>~€870bn³</td>
<td>4-5%</td>
</tr>
<tr>
<td><strong>Pharmaceuticals</strong></td>
<td>~€140bn⁴</td>
<td>3-4%</td>
</tr>
</tbody>
</table>

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 2022 Synergy & Efficiency Programs

- **Crop Science**
  - Realization of Crop Science sales and cost synergies
  - ~€0.17bn (~=$0.2bn) sales synergies\(^1\)
  - ~€0.47bn (~=$0.55bn) cost synergies
  - ~€0.40bn (~=$0.45bn) cost synergies

- **Consumer Health**
  - Comprehensive growth acceleration program
  - ~€0.4bn contribution
  - ~€0.1bn contribution

- **Pharmaceuticals**
  - Re-alignment of R&D activities towards external innovation / Hemophilia production footprint
  - ~€0.2bn contribution

**Platform**
- Adjustment of corporate platform
- ~€0.9bn contribution

\(^{1}\) 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, %)

<table>
<thead>
<tr>
<th>Division</th>
<th>2018 PF</th>
<th>2019 Guidance</th>
<th>Target 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop Science</td>
<td>19.3</td>
<td>~4%</td>
<td>&gt;30%</td>
</tr>
<tr>
<td>~4%</td>
<td>~25%</td>
<td>~4-5% p.a.</td>
<td></td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>16.7</td>
<td>~4%</td>
<td>&gt;35%</td>
</tr>
<tr>
<td>~34%</td>
<td>~4-5% p.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumer Health</td>
<td>5.5</td>
<td>~1%</td>
<td>&gt;24%¹</td>
</tr>
<tr>
<td>~21%</td>
<td>~2% p.a.</td>
<td>~4-5% p.a.</td>
<td></td>
</tr>
<tr>
<td>Bayer Group</td>
<td>44.7</td>
<td>~4%</td>
<td>&gt;30%</td>
</tr>
<tr>
<td>~46</td>
<td>~27%</td>
<td>~4-5% p.a.</td>
<td></td>
</tr>
</tbody>
</table>

2022 targets at constant currencies, not including portfolio measures (except for Consumer Health)
¹Includes portfolio measures
Cash Flow Improvement Focusing on Capex and Working Capital Optimization

**Capex spend in €bn**

- **2010**: 1.5
- **2012**: 1.9
- **2014**: 2.2
- **2016**: 2.5
- **2018 PF**: 3.1

*in % of sales*

- **2010**: 4.3%
- **2012**: 4.9%
- **2014**: 5.7%
- **2016**: 7.4%
- **2018**: 7.0%

*Intangibles* - *Fixed assets*

**Working Capital in €bn**

- **2010**: 9.3
- **2012**: 10.1
- **2014**: 12.0
- **2016**: 9.5
- **2018 PF**: 14.1

*in % of sales*

- **2010**: 26%
- **2012**: 25%
- **2014**: 29%
- **2016**: 27%
- **2018**: 32%\(^1\)

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

// **Annual contribution of ~0.5bn EUR by 2022**
// Past and current levels impacted by single large-scale investments in fixed assets
// Licensing will continue to be an element to drive growth

// **Focused CapEx below current levels** ~ 5-6%

// **Annual contribution of ~0.5bn EUR by 2022**
// Focus on optimization of inventory levels and receivables management

// **Working capital optimization** ~ 32%
## Group Targets - Value Creation from Strengthened Base

### Triple Leverage

<table>
<thead>
<tr>
<th>€bn</th>
<th>2018 PF</th>
<th>Guidance 2019</th>
<th>Target 2022</th>
<th>CAGR 2018-22²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales¹</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Group</td>
<td>44.7</td>
<td>~46 (~4%)</td>
<td>~52</td>
<td>~4%</td>
</tr>
<tr>
<td>Crop Science</td>
<td>19.3</td>
<td>~4%</td>
<td></td>
<td>&gt;4%</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>16.7</td>
<td>~4%</td>
<td></td>
<td>~4-5%</td>
</tr>
<tr>
<td>Consumer Health</td>
<td>5.5</td>
<td>~1%</td>
<td></td>
<td>~2%</td>
</tr>
<tr>
<td>EBITDA before special items (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Group</td>
<td></td>
<td>~12.2 (~27%)</td>
<td>~16 (&gt;30%)</td>
<td>~9%</td>
</tr>
<tr>
<td>Crop Science</td>
<td></td>
<td>~25%</td>
<td>&gt;30%</td>
<td></td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td></td>
<td>~34%</td>
<td>&gt;35%</td>
<td></td>
</tr>
<tr>
<td>Consumer Health</td>
<td></td>
<td>~21%</td>
<td>~24%⁴</td>
<td></td>
</tr>
<tr>
<td>Core EPS (€)</td>
<td></td>
<td>~6.8</td>
<td>~10</td>
<td>~10%</td>
</tr>
<tr>
<td>FCF</td>
<td>~4.7³</td>
<td>~3-4</td>
<td>~8</td>
<td>~18%</td>
</tr>
<tr>
<td>Net financial debt</td>
<td>~35.7³</td>
<td>~36⁵</td>
<td>~26-28</td>
<td></td>
</tr>
</tbody>
</table>

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
We Have Clear Priorities for Capital Allocation

Focus on Shareholder Return, Innovation and Deleveraging

Disciplined capital allocation

- **Shareholder Return**
  - Growing dividends
  - Consider share buy backs with parts of divestment proceeds

- **Deleveraging**
  - Target range ~€26-28bn$^1$ net financial debt by end 2022

- **Innovation & Acquisitions**
  - Investment in licensing opportunities
  - Potentially selective bolt-on acquisitions

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$^1$ Before M&A / Portfolio
We Will Create Significant Value Through 2022 and Beyond

Focus on Execution and Driving Sustained Profitable Growth…

1. We have completed Bayer’s portfolio transformation into a global leader in Health & Nutrition

2. 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

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

4. 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 Results

Sales
In million €, ∆% yoy, Fx & portfolio adj.
Positive Fx effect of €108m

<table>
<thead>
<tr>
<th></th>
<th>Q1'18</th>
<th></th>
<th>Q1'19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td>9,138</td>
<td>+42%</td>
<td>13,015</td>
</tr>
<tr>
<td>∆%</td>
<td>42%</td>
<td>(+42% cp)</td>
<td></td>
</tr>
</tbody>
</table>

EBITDA
In million €, before special items
Negative Fx effect of €110m

<table>
<thead>
<tr>
<th></th>
<th>Q1'18</th>
<th></th>
<th>Q1'19</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBITDA</td>
<td>2,896</td>
<td>+45%</td>
<td>4,188</td>
</tr>
<tr>
<td>∆%</td>
<td>31.7%</td>
<td>(+45%)</td>
<td>32.2%</td>
</tr>
</tbody>
</table>

Core EPS
In €, Cont. Operations
- # of shares increased from 886m to 980m
- Core financial result went from -€106m to -€370m

<table>
<thead>
<tr>
<th></th>
<th>Q1'18</th>
<th></th>
<th>Q1'19</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Core EPS</td>
<td>2.24</td>
<td>+14%</td>
<td>2.55</td>
<td></td>
</tr>
<tr>
<td>∆%</td>
<td>42%</td>
<td>(+42% cp)</td>
<td>(+4%)</td>
<td></td>
</tr>
</tbody>
</table>

Free Cash Flow
In € million
Expanded CS business working capital need offset by positive PH and CH development

<table>
<thead>
<tr>
<th></th>
<th>Q1'18</th>
<th></th>
<th>Q1'19</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Cash Flow</td>
<td>257</td>
<td>+98%</td>
<td>508</td>
<td></td>
</tr>
</tbody>
</table>

EBITDA Margin before special items
Divisional Q1 Results

### Crop Science

- **Sales**
  - Q1'18: €2,861
  - Q1'19: €6,444
  - YoY Growth: +6%

- **EBITDA**
  - Q1'18: €1,042
  - Q1'19: €2,322
  - YoY Growth: +100%

### Pharma

- **Sales**
  - Q1'18: €4,075
  - Q1'19: €4,354
  - YoY Growth: -5%

- **EBITDA**
  - Q1'18: €1,415
  - Q1'19: €1,512
  - YoY Growth: -7%

### Consumer Health

- **Sales**
  - Q1'18: €1,409
  - Q1'19: €1,395
  - YoY Growth: +1%

- **EBITDA**
  - Q1'18: €313
  - Q1'19: €279
  - YoY Growth: -11%
## FY 2019 Guidance Confirmed

<table>
<thead>
<tr>
<th></th>
<th>2018(^1)</th>
<th>Group Forecast 2019</th>
<th>(\Delta) 2018 – 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sales</strong></td>
<td>€39.6bn</td>
<td>~€46bn</td>
<td>+~16% (thereof +~12% portfolio)</td>
</tr>
<tr>
<td><strong>EBITDA</strong></td>
<td>€9.5bn</td>
<td>~€12.2bn</td>
<td>+~28%</td>
</tr>
<tr>
<td><strong>(before special items)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core EPS</strong></td>
<td>€5.94</td>
<td>~€6.80</td>
<td>+~14%</td>
</tr>
<tr>
<td><strong>Free Cash Flow</strong></td>
<td>€4.7bn</td>
<td>~€3-4bn</td>
<td>~(-15%) – (-36%)</td>
</tr>
</tbody>
</table>

**Fx-sensitivity:**

± 1% change of the € vs all other currencies =

\[\pm \sim \€340m\] on Sales &

\[\mp \sim \€100m\] on EBITDA (before special items)

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\(^1\) Monsanto included since June 7 and assets divested to BASF included until August 2018
Progress in All Focus Areas

1. **Target Delivery**
   - Deliver on operational targets

2. **Crop Science**
   - Integration of acquired business to shape the future of agriculture

3. **Pharmaceuticals**
   - Further strengthening of pipeline and intensify external sourcing

4. **Consumer Health**
   - Drive performance improvement

5. **Efficiency / Bayer 2022**
   - Execute efficiency improvement program and realize synergies

6. **Portfolio Measures**
   - Execution of announced portfolio measures for sharpened business focus
FY 2019 Guidance: Further Growth Expected for All Segments

<table>
<thead>
<tr>
<th>Segment</th>
<th>Sales 2018</th>
<th>EBITDA-margin 2018 (before special items)</th>
<th>Sales Growth 2019 (cpa(^2))</th>
<th>EBITDA-margin 2019 (before special items)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop Science</td>
<td>€14.3bn(^1)</td>
<td>18.6%</td>
<td>~4%</td>
<td>~25%</td>
</tr>
<tr>
<td>Pharma</td>
<td>€16.7bn</td>
<td>33.4%</td>
<td>~4%</td>
<td>~34%</td>
</tr>
<tr>
<td>Consumer Health</td>
<td>€5.5bn</td>
<td>20.1%</td>
<td>~1%</td>
<td>~21%</td>
</tr>
<tr>
<td>Animal Health</td>
<td>€1.5bn</td>
<td>23.9%</td>
<td>~4%</td>
<td>~24%</td>
</tr>
</tbody>
</table>

\(^1\) 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

Sales in €bn

2014  2015  2016  2017  2018

1.7  2.3  2.9  3.3  3.6

- 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: >€5.0bn
- Further growth driven by:
  - Under-served patient populations
  - Demographics
  - Shift from warfarin
  - New indications targeting patients currently not treated with anticoagulants

CAD: Coronary artery disease; PAD: Peripheral artery disease
1 Ex-US sales plus royalty from J&J as reported by Bayer
Pharma
Eylea – A Leader in Retinal Diseases

Sales in €bn

2014 2015 2016 2017 2018

0.8 1.2 1.6 1.9 2.2

// 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

<table>
<thead>
<tr>
<th>Indication</th>
<th>Status</th>
<th>Commercial Potential</th>
<th>Clinical Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vitrakvi</strong></td>
<td>// TRK-fusion Cancer</td>
<td>FDA approved / in registration</td>
<td>Clinical program ongoing</td>
</tr>
<tr>
<td></td>
<td>// FDA approved / in registration</td>
<td>// PSP &gt;€750m</td>
<td>// Completed (ARAMIS, nmCRPC) Aug 2022e (ARASENS, mHSPC)</td>
</tr>
<tr>
<td><strong>Darolutamide</strong></td>
<td>// Prostate Cancer</td>
<td>Phase III (nmCRPC)</td>
<td>// PSP &gt;€1bn</td>
</tr>
<tr>
<td></td>
<td>// Lymphoma</td>
<td>// Launched in the US</td>
<td>// May 2020e (CHRONOS-3) Sep 2021e (CHRONOS-4)</td>
</tr>
<tr>
<td><strong>Copanlisib</strong></td>
<td>Diabetic Kidney Disease</td>
<td>// Phase III</td>
<td>// April 2020e (FIDELIO-DKD)</td>
</tr>
<tr>
<td><strong>Finerenone</strong></td>
<td>Chronic Heart Failure</td>
<td>// Phase III (HFrEF)</td>
<td>// Jan 2020e (VICTORIA, HFrEF)</td>
</tr>
<tr>
<td><strong>Vericiguat</strong></td>
<td>// Chronic Heart Failure</td>
<td>// Phase III (HFpEF)</td>
<td>// Dec 2019e (VITALY, HFpEF)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Brand</th>
<th>Category</th>
<th>Age</th>
<th>Sales 2018</th>
<th>CAGR 2014-2018</th>
<th># of studies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASPIRIN</strong></td>
<td>Pain, Cardio, Cough &amp; Cold</td>
<td>120</td>
<td>€975m</td>
<td>3.0%</td>
<td>88</td>
</tr>
<tr>
<td><strong>Claritin</strong></td>
<td>Allergy</td>
<td>26¹</td>
<td>€516m</td>
<td>-1.0%</td>
<td>82</td>
</tr>
<tr>
<td><strong>Bepanthen</strong></td>
<td>Dermatology</td>
<td>75</td>
<td>€371m</td>
<td>7.0%</td>
<td>116</td>
</tr>
<tr>
<td><strong>Aleve</strong></td>
<td>Pain</td>
<td>43¹</td>
<td>€351m</td>
<td>-0.9%</td>
<td>42</td>
</tr>
<tr>
<td><strong>Alka-Seltzer</strong></td>
<td>Digestive Health, Cough &amp; Cold</td>
<td>88</td>
<td>€225m</td>
<td>-1.2%</td>
<td>7</td>
</tr>
<tr>
<td><strong>elevit</strong></td>
<td>Nutritionals</td>
<td>35</td>
<td>€209m</td>
<td>20.9%</td>
<td>6</td>
</tr>
</tbody>
</table>

¹ Rx launch; ² Past 20 years of clinical data, as of December 2018
### Levers and key focus areas

**People & Organization**
- Increase category and brand building experience
- Drive leaner more agile organization

**Winning Portfolio**
- Focus our resources on categories where we can win

**Accelerate growth-focused Innovation**
- Rebuild innovation pipeline

**Modernized Marketing & Sales**
- Rebuild brand fundamentals
- Accelerate digital

### First actions

**Q4 2018**
- Right-size the organization
- New leadership team in place

**Q1 2019**
- Divested Rx Dermatology
- Explore exit options: Suncare / Footcare

**H2 2018**
- Strengthen innovation for core brands
- Establish Rx-to-OTC switch pipeline

**2020**
- Step up e-commerce
  - Amazon 2018e sales +60%
  - Online (8.3%) to offline (8.7%) share

**2018**
- New leadership team in place
- Divested Rx Dermatology
- Explore exit options: Suncare / Footcare
Consumer Health
Our Strategic and Operational Roadmap

**Strategic focus**
- Put in new leadership team
- Make portfolio choices
- Initiate stricter cost control
- Make necessary impairments

**Driving rigorous change**
- Execute portfolio choices
- Right-size cost base
- Recover product supply
- Regain momentum in APAC/EMEA
- Reset US cost base to strengthen margin

**Growth**
- Stabilize growth
- Return to growth
- Accelerate growth

**Profitability**
- Stop margin erosion through strict cost controls
- Improve margins
- Accelerate margins

**Setting the foundation**

**2018**

**2019 / 2020**

**2021 / 2022**

**Acceleration phase**
- Drive higher innovation level
- Accelerate US growth momentum
- Capitalize on portfolio choices
- Realize full benefit of efficiency program
Crop Science
Leading Position in All Major Categories

Crop Science Market\(^2\) Currently Valued at \(~€90bn\) // \(~3\%\) Long-term CAGR Expected

\begin{itemize}
  \item \textbf{Corn} ~€20bn market\(^2\)
  \item \textbf{Soybean} ~€15bn market\(^2\)
  \item \textbf{Horticulture}\(^1\) ~€15bn market\(^2\)
  \item \textbf{Cereals} ~€10bn market\(^2\)
  \item \textbf{Digital Farming} Climate FieldView Digital Platform
\end{itemize}

\(^1\) 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 $6bn. Source: Pre-forma calculations Bayer; Bayer CS market model
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

Global Paid Acres

<table>
<thead>
<tr>
<th>FY15</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18e</th>
<th>FY19 Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>5m</td>
<td>15m</td>
<td>&gt;35m</td>
<td>60m</td>
<td>90m</td>
</tr>
</tbody>
</table>

>35 next-generation projects in the pipeline

Brand Health (U.S.)

#1 brand in the digital Ag space

- Awareness: 77%
- Familiarity: 65%
- Consideration: 44%
- Have Used: 37%
- Currently Use: 33%

#1 platform in the digital Ag space

- FarmLogs™
- Encirca™ (Corteva)
- FarmersEdge™

1 Internal estimates
2 2018 Brand Health Monitor
Thank you