Cautionary Statements Regarding Forward-Looking Information

This presentation may contain forward-looking statements based on current assumptions and forecasts made by Bayer management.

Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. These factors include those discussed in Bayer’s public reports which are available on the Bayer website.

The company assumes no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.

> WWW.BAYER.COM
Crop Protection Helps to Sustainably Feed the World

30% average net yield benefit by using CP on food crops

550 Million tons of additionally produced food crops (Wheat, Potato, Rice)

>2bn people

Net Yield Benefit through Crop Protection

19% Wheat
32% Rice
42% Potato

In caloric value, this amount could feed >2bn people

Based on 2019 study conducted by European Parliamentary Research Service (Farming without plant protection products (europa.eu)), EXCLUDING Corn and Soy numbers

Note: Losses are calculated at the global scale and are caused by pathogens, pests, viruses and weeds. Crop protection without PPPs include crop rotation, biological control, soil management, resistant varieties...
Leading Positions in Global Crop Protection
Driving >€13bn in Sales in 2022

2022 Herbicides Sales

<table>
<thead>
<tr>
<th>Company</th>
<th>Sales (€bn)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayer</td>
<td>8.3</td>
</tr>
<tr>
<td>Syngenta AG</td>
<td></td>
</tr>
<tr>
<td>Corteva</td>
<td></td>
</tr>
<tr>
<td>BASF</td>
<td></td>
</tr>
<tr>
<td>FMC</td>
<td></td>
</tr>
</tbody>
</table>

2022 Fungicides Sales

<table>
<thead>
<tr>
<th>Company</th>
<th>Sales (€bn)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syngenta AG</td>
<td></td>
</tr>
<tr>
<td>Bayer</td>
<td>3.3</td>
</tr>
<tr>
<td>BASF</td>
<td></td>
</tr>
<tr>
<td>Corteva</td>
<td></td>
</tr>
<tr>
<td>FMC</td>
<td></td>
</tr>
</tbody>
</table>

2022 Insecticides Sales

<table>
<thead>
<tr>
<th>Company</th>
<th>Sales (€bn)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMC</td>
<td></td>
</tr>
<tr>
<td>Syngenta AG</td>
<td></td>
</tr>
<tr>
<td>Bayer</td>
<td>1.6</td>
</tr>
<tr>
<td>Corteva</td>
<td></td>
</tr>
<tr>
<td>BASF</td>
<td></td>
</tr>
</tbody>
</table>

Chart shows comparison to strategic peer group
1 Source: Company reporting, exchange rate FY2022: ~1.05 USD/EUR
2 Corteva Insecticides sales exclude non-crop business, internal estimates
Bringing New Crop Protection Innovation to Market
Launched Two New Actives, 10 New Formulations and >250 Registrations in 2022

Industry Leading Crop Protection Development…

- 15 new AIs launched in the past 15 years; 9 advancing, including 2 launches, in 2022

Fox Supra

- Includes next-gen technology Indiflin®, with Prothioconazole
- Offers unrivaled control of Asian Soybean Rust
- Builds on #1 position in soybean fungicides in LATAM

PSP of Fox Family ~€850m
Pre-launched in 2022 in Brazil & Paraguay

Xivana

- Powered by Fluoxapiprolin
- New horticulture fungicide; delivers outstanding protection of grapes – to expand to potatoes and vegetables
- High, long-lasting efficacy

PSP of >€200m
Launched in 2022 in Australia (grapes)

Typical use rates: potatoes, vegetables [g/ha]

<table>
<thead>
<tr>
<th>Fungicide</th>
<th>Use Rate (g/ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandipropamid</td>
<td>50</td>
</tr>
<tr>
<td>Cyazofamid</td>
<td>100</td>
</tr>
<tr>
<td>Metalaxyl</td>
<td>150</td>
</tr>
<tr>
<td>XIVANA®</td>
<td></td>
</tr>
</tbody>
</table>

… drives our Life Cycle Management

TriVolt

- Pre-emergence selective corn herbicide for U.S.
- Launched in 2022

- Contains 3 AIs: Thiencarbazone, Flufenacet and Isoxaflutole to provide overlapping residual control of key broadleaf weeds and grasses

Mateno

- Includes Aclonifen, a new herbicide mode of action for Australia
- Launched in 2022

- Suitable for use in wheat and barley for hard-to-control grass and broadleaf weeds

Fox products also sold under CRIPTON brand name in other markets: ¹ In collaboration with Sumitomo; ² Internal estimates; ³ for soybeans in LATAM; ⁴ BASF Orkestra Ultra; PSP = Peak Sales Potential

// Bayer Crop Science Innovation Summit // June 20, 2023
Crop Protection Pipeline to Deliver ~€9bn in Peak Sales Potential
Advancing Nine Actives in 2022

Insecticides: ~€2bn
- Plenexos Insecticide, ~€500m
- Various LCM projects such as Vayego Duo, Velum, Rice Plant Hopper

Fungicides: ~€3bn
- Next generation Fungicide Small Molecules, >€1.2bn
- Various LCM projects such as Luna Flexx, Super Nativo, Delaro Forte

Herbicides: ~€4bn
- New Herbicide Small Molecule, >€750m
- Various LCM projects such as Convintro, Mateno Complete, Adengo

Seed growth
- 2 biological seed treatments in phase 3
- Various LCM projects such as INS FUN ready mixture and Redigo FS 25

1 Represents non-risk adjusted estimated peak sales for crop protection, including biologicals. Note that products are excluded from the pipeline PSP typically the year following launch; PSP = Peak sales potential; ~50% incremental sales value. Estimated to reach ~30% of peak sales potential by 2032, ~80% by 2037 and 100% by 2038+. Projects included are only a subset of the pipeline.
Plenexos… Where Healthier Fields Meet Higher Yields

Our Next Generation Ketoenol Insecticide with ~€500m Peak Sales Potential

Plenexos will be the first ketoenol insecticide expected to offer both foliar and soil uses

Plenexos will enhance ketoenol insecticides by offering:

- High plant mobility, which will ensure **high efficacy** against key sucking pests (aphids, whiteflies, scales, mealybugs) at **low dose rates** for **foliar and soil uses**

- Featuring a **broad crop scope**, Plenexos will be suitable for application in **arable and horticulture** crops (soybeans, cotton, fruits and vegetables)

- Favorable pollinator and beneficial toxicological profile which will ensure **broad flexibility and fit to Integrated Pest Management programs**, as well as low residue levels for several uses

- Targeted markets: LATAM, NA, APAC and TAMECIS¹

- **First regulatory submissions** in key markets in 2022, **first launches** expected from 2025 onwards²

Always read and follow label instructions. Products not registered in all jurisdictions. Plenexos is the brand name of the ketoenol insecticide Spidoxamat

¹ TAMECIS stands for Turkey, Africa, Middle East, Commonwealth of Independent States; ² Commercialization is dependent on multiple factors, including successful conclusion of the regulatory process. The information presented herein is provided for educational purposes only and is not and shall not be construed as an offer to sell, or a recommendation to use, any unregistered pesticide for any purpose whatsoever. It is a violation of federal law to promote or offer to sell an unregistered pesticide.
New Broad Spectrum Fungicide\(^1\) with a PSP of >€1bn

A New Fungicide with Broad Geographical, Crop and Disease Scope, Currently in Phase 3

- New broad-spectrum Fungicide with blockbuster potential

For global use confirmed in cereals, corn, fruits & vegetables with upside potential in numerous other crops

- Proven Mode of Action in a highly competitive future market

- Favorable regulatory profile

- Providing farmers worldwide with a reliable tool to ensure healthy crops and robust resistance management

- Excellent fit with Bayer’s fungicide portfolio, helping to strengthen our leading position

\(^1\) in collaboration with 3rd party; PSP = Peak Sales Potential
Unlocking the future of sustainable crop protection

Shaping Agriculture

Unlocking a new benchmark in the industry
Designing the Next Generation of Sustainable Crop Protection Solutions to Serve the Needs of Farmers & Society

Why is disruptive innovation needed?

- Maintain license to operate (increasing regulatory requirements)
- Increase durability of actives
- Overcome existing resistance
- Address future agronomic practices (e.g., precision application, drone spraying)

What do we plan to deliver?

From incremental innovation on traditional chemistry to disruptive innovation towards next generation of sustainable chemistry:

- Highly effective and precise
- Breaking resistance
- Unprecedented sustainability and safety profile

Why Bayer?

- New CP R&D Unrivalled Experience
- Target Discovery
- Deep Knowledge On Biological Systems
- Human & Env. Safety Expertise
- Computational Life Science
- Partner Of Choice
- Scientists Courageous To Pioneer

... make us unique
CropKey Approach to Open Uncharted MoA & Chemical Spaces

Pioneering Today to **Unlock** the Crop Protection Solutions of Tomorrow

---

**Advanced Discovery Engine**

- **Computational Target Discovery**
  Discover selective and safe MoA by proprietary algorithms & omics

- **New Paradigm in Screening**
  Gain deep knowledge on biological systems by Machine learning approaches & virtual screening and docking

- **Digital Chemistry**
  Explore unlimited virtual chemical spaces by AI supported selection, design & synthesis

- **Predictive Early Safety**
  Focus on registrability & sustainability supported by early in vitro tests & in silico predictive models

---

**Novel MoA in Research Pipeline**

- **100% in Target Discovery**
- **>80% in Early Research**
- **>65% in Advanced Research**

- **>30**
  New molecular targets under investigation

- **>10**
  Newly validated targets identified for screening

- **>5**
  Novel modalities / screening technologies evaluated in collaboration with external providers
Enriching Our Pipeline with Novel & Sustainable Modes of Action

**CropKey** First representatives of CropKey approach are being brought from conception to reality in record time

### New Herbicide Molecule

- First new mode of action in post emergence weed control in 30 years, based on CropKey approach
- Securing farmers production in situations with tough to control grasses
- Allows use in various new market segments, as well as potential for precision application

**PSP of >€750m**
*Project is currently in Phase 3*

### New Fungicide Molecule

- Broad-spectrum Horticulture fungicide with a new mode of action, based on CropKey approach
- Control of key leaf spot fungi (incl. Anthracnose) across key regions
- Opportunities to extend beyond horticulture to cereals (barley), oil seed rape and seed treatment¹

**PSP of >€200m¹**
*Project is currently in Phase 2*

1 Expansion into oil seed rape and seed treatment not yet included in PSP; PSP = Peak Sales Potential
Key Research Partners and Academics Help Us Unlock the Future of Sustainable Crop Protection

Targenomix Joins Bayer Crop Science as part of the CropKey approach to R&D

- Acquired German biotech startup in November 2022
- Systems biology approaches to unlock new potential, fueling our discovery engine
- Innovative tools to identify and select safe and sustainable compounds

The CropKey approach creates new modalities with unparalleled safety for food and farm

- New collaboration with Oerth Bio announced in January 2023
- Unique protein degradation technology (PROTAC)
- Built to protect crops from disease and pests while leaving all other species and biome unaffected

Using Genomics to Unlock the Future for Pest Control

- Project between Bayer, Rothamsted and Syngenta
- Sequence and assemble genomes of 20 of the world’s most damaging crop pests

Using Genomics to Unlock the Future
for Pest Control

- Project between Bayer, Rothamsted and Syngenta
- Sequence and assemble genomes of 20 of the world’s most damaging crop pests
Formulation Expertise Drives our Life Cycle Management

Expect to see ~90-100 new formulation launches in the next decade

Require less water, reduce the overall volume of solution application and enhance operator safety

Novel formulations extend good efficacy into very-low volume range through in-build adjuvants that enhance spreading, retention and uptake

Leader in product design for precision / drone application

Key products validated in APAC for drone segment

- Relevant part of our crop protection portfolio validated for drone uses
- Pipeline strategy for very-low volume-ready products in place
- Partnering with drone manufacturers and application service providers such as Rantizo (LEAPS investment)
Reducing Crop Protection’s Environmental Impact
Developing Crop Protection Products with Better Benefits and Less Impact on the Environment

Our goal
We will reduce the environmental impact of our crop protection products by 30% against a 2014 – 2018 baseline by 2030.

Our achievement to date
2017 – 2021 vs 2014 – 2018
We reduced the global environmental impact of our crop protection products by 14%.¹

2021 Crop Protection Industry Environmental Impact

Sales Value (EUR)

CP Environmental Impact

Bayer products accounted for only 2% of the environmental impact from crop protection in 2021.

¹ Comparison against a 2014 – 2018 baseline
Preliminary impact assessment has been conducted by Technical University of Denmark (DTU) based on the PestLCI/USEtox® models. PestLCI secondary distributions currently out of scope. Impact assessment limited to current scientific consensus of USEtox®: aquatic organisms and the substances which can be characterized in USEtox®. Terrestrial and pollinator impact assessment is currently not included in USEtox®. CP application data mostly from third parties such as Kynetec/Kleffmann in some countries based on Bayer estimates.
Key Takeaways – Sustainable Small Molecules

01. We are a **global leader in Crop Protection** with >€13bn in sales in 2022 and #1 position in Herbicides, #2 position in Fungicides and #3 position in Insecticides.

02. Promising catalysts drive ~€9bn peak sales potential of our Crop Protection pipeline.

03. We are **designing the next generation of sustainable Crop Protection solutions** to serve the needs of farmers & the society through our CropKey approach.

04. Bring leading crop protection innovations to growers with a **new broad-spectrum fungicide** and **first new mode of action for post emergence weed control in 30 years**.

05. We are **committed to reduce the environmental impact** of our CP products by 30% by 2030.
Sustainable Small Molecules
Crop Science Innovation Summit
June 20, 2023

Axel Trautwein // Head of Regulatory Science, Bayer Crop Science
Crop Science: Crop Protection R&D Pipeline

(Annual Update Feb 2023)

<table>
<thead>
<tr>
<th>Phase I</th>
<th>Phase II</th>
<th>Phase III</th>
<th>Phase IV</th>
<th>Life Cycle Management ¹</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HERBICIDES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>Non-Selective Glyphosate LCM ✓</td>
<td></td>
</tr>
<tr>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>Selective Merlin Flexx / Adengo LCM ✓</td>
<td></td>
</tr>
<tr>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>New Herbicide ✓ ✓ ✓ ✓</td>
<td>Balance Flexx LCM ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Convinto ✓</td>
<td></td>
</tr>
<tr>
<td><strong>FUNGICIDES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Fungicide ✓ ✓ ✓ ✓</td>
<td>New Fungicide ✓ ✓ ✓ ✓</td>
<td>New Fungicide ² ✓ ✓ ✓ ✓</td>
<td>Luna Flexx ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Super Nativo ✓ ✓</td>
<td></td>
</tr>
<tr>
<td><strong>INSECTICIDES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Insecticide ✓ ✓ ✓ ✓</td>
<td>New Insecticide ✓ ✓ ✓ ✓</td>
<td>New Insecticide ✓ ✓ ✓ ✓</td>
<td>Delaro Forte ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Super Nativo ✓ ✓</td>
<td></td>
</tr>
<tr>
<td><strong>SEED GROWTH ²</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Seed Treatment ✓ ✓ ✓ ✓</td>
<td>New Seed Treatment ✓ ✓ ✓ ✓</td>
<td>New Seed Treatment ✓ ✓ ✓ ✓</td>
<td>Vayego Duo ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Velum LCM ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rice Plant Hopper ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>INS FUN ready mixture ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Redigo FS 25 ✓</td>
<td></td>
</tr>
</tbody>
</table>

1 Shown here is a subset of Bayer’s total life cycle management activities; focused on new formulation developments which have the potential to bring significant innovation to customers compared to currently marketed product; Products shown may not yet be fully registered in all jurisdictions; includes all advancements made in FY’22, updated Feb’23. ² SeedGrowth is currently reported within other SBEs; ³ 3rd party collaboration. PSP = Peak Sales Potential, 50% incremental; Expected to reach 30% of PSP by 2032, 80% of PSP by 2037 and remainder in 2038+; Note that products are excluded from the pipeline PSP typically the year following launch.

Note: New formulations are not shown. Advanced to next phase includes projects advanced to next phase. Selection of projects listed here and included in the peak sales potential by segment do not include projects in early research or discovery.

- Com ✓ Soybeans ✓ Fruits and vegetables ✓ Cereals, oilseed rape, sugarbeets, cotton and rice ✓ Biological ✓ Small Molecule

~€4bn
~€3bn
~€2bn
~€1bn

Bayer Crop Science Innovation Summit /// June 20, 2023
Designing Molecules to Safely & Sustainably Address Needs of Farmers and Society

Chemical Crop Protection R&D timeline (10-14 years)

Phase 0
- Mode of Action & Hit Identification
- AI-supported molecular target & hit identification toward designing of potent and sustainable molecules

Competitive Advantage
- Powerful target-based discovery platform
- Unique early safety assessment with in vitro tests and in silico prediction tools & models
- Focus on novel Mode of Action & novel chemical spaces

Proof of Concept
- Profiling of best candidates addressing market needs; field trials; chemical & formulation optimization; mammalian & environmental toxicology assessment

Competitive Advantage
- AI-supported design of molecules to create desired properties
- World-class biology testing
- Combined regulatory and chemical expertise allow early decisions to maximize probability of success

Phase 1
- Early Development
- Commercial candidate selection and product concepts; process development; pre-regulatory data generation

Competitive Advantage
- Largest global field-testing footprint diversifies geographic data insights
- Industry-leading formulation expertise with locations in Europe, NA, APAC
- CoGs leadership ensured by cutting edge science and AI-supported synthesis and route design

Phase 2
- Advanced Development
- Commercial proof of concept, regulatory data generation

Competitive Advantage
- Largest portfolio of assets and digital capabilities to define digitally enabled tailored solutions (CP, Breeding, Plant Biotech, Data Science)
- Scientific and agronomic knowledge to design best resistance-breaking products

Phase 3
- Pre-Launch
- Regulatory Submissions & Approvals, Production, Application Optimization, Pre-Marketing

Competitive Advantage
- Unrivaled global regulatory experience advising
- Evaluation of agronomic systems for product deployment & customer recommendations

Phase 4
- Proof of Concept
- Profiling of best candidates addressing market needs; field trials; chemical & formulation optimization; mammalian & environmental toxicology assessment

Competitive Advantage
- AI-supported design of molecules to create desired properties
- World-class biology testing
- Combined regulatory and chemical expertise allow early decisions to maximize probability of success