

Case study

Transportation Management,  
Warehouse Management



# Growing Logistics Results at Bayer Crop Science

## 3-5%

savings in overall  
transportation spend

## 7%

increase in  
asset utilization

Reduction in miles traveled and  
related environmental impacts

### Driving a 3-5% improvement in the overall transportation spend:

“Blue Yonder transportation management and warehouse management solutions are increasing visibility and helping Bayer make fact-based, strategic decisions in North America, Latin America, Europe and Asia Pacific. As a result, we’ve reduced our overall transportation spend by 3-5%. We expect even greater savings as our maturity increases.”

– **Johnny Ivanyi, Global Head of Distribution Excellence**

With annual revenues exceeding \$23 billion US, Bayer Crop Science delivers agricultural products in more than 70 countries spanning the world.

### Business challenge:

At more than 350 facilities, Bayer was challenged to adopt consistent technology solutions, analytical tools and best practices. Logistics managers needed standardized decision-making practices and shared values that would enable them to act in the best financial interests of the company.

### The Blue Yonder solution:

Bayer embarked on an ambitious global rollout of Blue Yonder’s warehouse management and transportation management capabilities. Scheduled for completion in 2025, the implementation is already delivering impressive results. Ernst & Young is a partner in the worldwide implementation.





### **Increasing asset utilization by 7%, while reducing environmental impacts:**

“Blue Yonder’s transportation management solution has helped Bayer improve our asset utilization by 7% — by maximizing truck capacity and eliminating 1.4 million miles traveled in Brazil alone. As we decrease the number of miles traveled and the number of trucks on the road, we expect Bayer’s CO<sub>2</sub> emissions to also decrease significantly.”

### **Delivering significant freight cost reductions via digitization:**

“By digitizing the carrier management process, Bayer has significantly reduced its freight costs while improving on-time delivery rates. Blue Yonder capabilities help Bayer conduct online bidding events, automate the bid analysis and carrier award process, and model complex transportation scenarios as conditions change. The entire transportation management process has been improved.”

### **Increasing supply chain agility via real-time visibility:**

“In the warehouse, Blue Yonder solutions help us monitor inventory and track its movements in real time. Similarly, in the transportation function, real-time track-and-trace capabilities from Blue Yonder help Bayer make on-the-fly logistics decisions during the crucial last mile. We can orchestrate our resources more efficiently because we are always aware of what’s happening.”

### **Solution benefits:**

- Blue Yonder allows Bayer to implement a single logistics platform — with shared data, metrics, workflows and best practices — across more than 350 locations worldwide, supporting the company’s goal for global standardization.
- Optimization engines from Blue Yonder exceed the ability of planners to consider large volumes of data and make optimal decisions. They also support the automation of key processes like route planning, load optimization and supplier bidding.
- A future goal is to bring all the Bayer Crop Science businesses into a single platform for transportation, using the robotic process automation (RPA) capability in Blue Yonder’s transportation management solution to redefine non-touch planning, and move from decentralized planning to a centralized approach.

### **Blue Yonder’s expertise:**

“Implementing digital warehouse and transportation systems around the world, in 70-plus countries, is a marathon — not a sprint. From software rollouts to training and cultural transformation, Blue Yonder has been there every step of the way. We consider Blue Yonder a strategic partner in our global journey.” — **Johnny Ivanyi, Global Head of Distribution Excellence**

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