

Critical Ag Challenges Data Models Can Solve Today

CHALLENGE #1: Low Data Confidence



OUR MODEL: FIELD RECORDS

Connect growers, farms, fields, boundaries, seasons, and soil characteristics into one trusted data foundation.

INCREASE DATA CONFIDENCE ACROSS:

- Lending
- Sourcing
- Insurance
- Sustainability
- Compliance

CHALLENGE #2: Production Uncertainty



OUR MODEL: CROPS

Connect crop varieties, field assignments, crop plans, rotations, and growth stages into one standardized production model.

- **Improve** yield & production forecasting
- **Optimize** sourcing strategies
- **Anticipate** market supply



CHALLENGE #3: Limited Real-Time Visibility

OUR MODEL: FIELD OPERATIONS

Integrate planting, fertility, spraying, irrigation, tillage, products, and equipment into a complete operational timeline.

- **Increase** operational efficiency
- **Optimize** input use
- **Benchmark performance** across every field
- **Protect** yield potential

CHALLENGE #4

Delayed Risk Detection

OUR MODEL: SCOUTING

Capture geolocated field observations, crop health assessments, severity ratings, and agronomic recommendations throughout the season.

- **Detect** emerging risks earlier
- **Improve** in-season decisions
- **Reduce** production losses



CHALLENGE #5

Reactive Decision-Making



OUR MODEL: HARVEST

Standardize harvest results, calibrated yield data, and machine-generated production records into one performance model.

- **Benchmark** productivity
- **Improve** yield forecasting
- **Identify** opportunities to increase profitability

CHALLENGE #6

Siloed Equipment Data



OUR MODEL: EQUIPMENT

Connect machinery, implements, telematics, and equipment activity into one operational dataset.

- **Increase** asset utilization
- **Improve** execution consistency
- **Lower** operating costs

CHALLENGE #7: Limited Enterprise Visibility

OUR MODEL: SPATIAL & IMAGERY

Combine field boundaries, satellite imagery, machine-generated layers, and seasonal change detection into one geospatial model.

- **Reveal** portfolio-wide trends
- **Strengthen** risk analysis
- **Enable** enterprise intelligence



The logo consists of two blue curved segments, one above and one below the word "CORVIAN".

CORVIAN

Enterprise-ready
data, software &
intelligence
solutions

Meet with our team | corvian.com