



Using GPS Guidance Products To Improve Energy Efficiency On The Farm

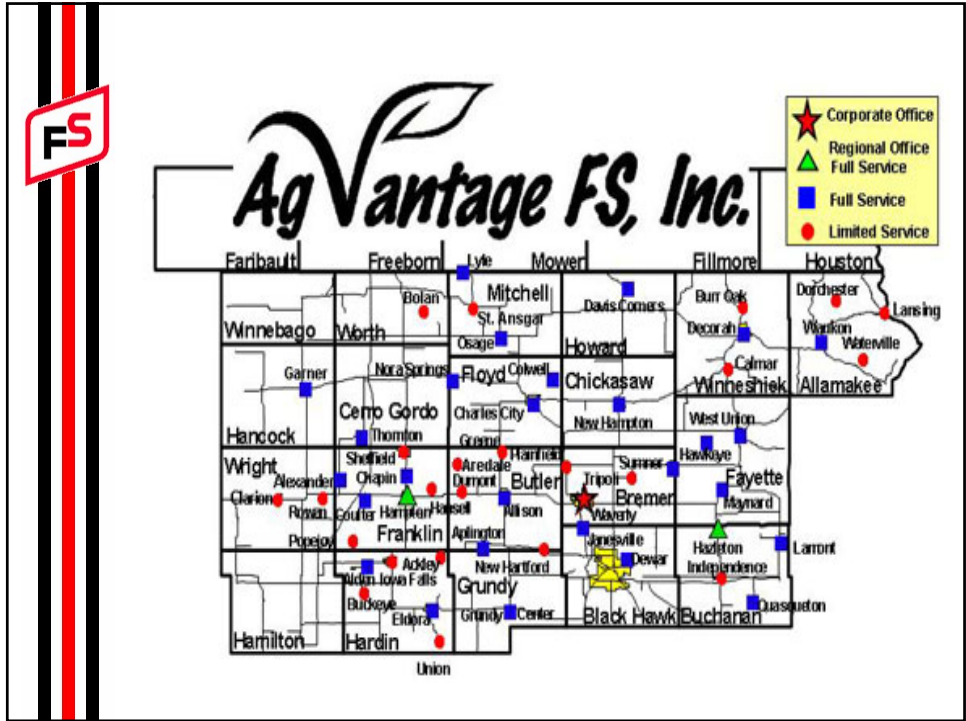
Bob Barker
CCA, CCS

Precision Seed Specialist



AgVantage FS, Inc.

- Agronomy, Energy, Grain, Structures
- Employees
 - 180 Full Time
 - 70 Part Time
- Locations
 - 30 Full Time
 - 23 Seasonal



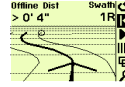
Products and Services

- Trimble, Ag Leader, Raven, SST
- Grid Soil Testing
 - since 1994
 - 50,000 + acres per year
- Variable Rate Phosphorus, Potassium, and Lime
- Yield/Site Verification Mapping
 - 125,000 acres in 2004
- Information Management



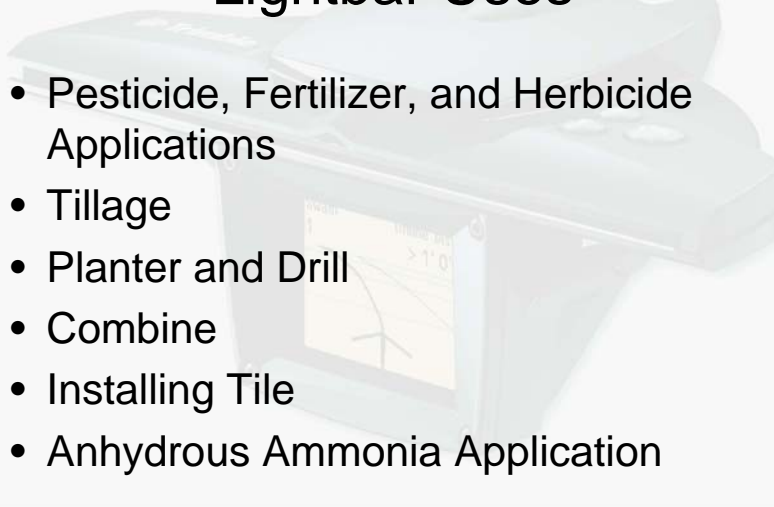
Precision Farming Tools

- Lightbar with GPS
- Field mapping hardware and software
 - Ag Leader PF Series and Insight monitors
 - SST Summit / Stratus
- Yield monitor with GPS
- GIS software
 - Ag Leader SMS
 - ESRI Arc view
 - Enhanced Farm Research Analyst Extension



Lightbar Uses

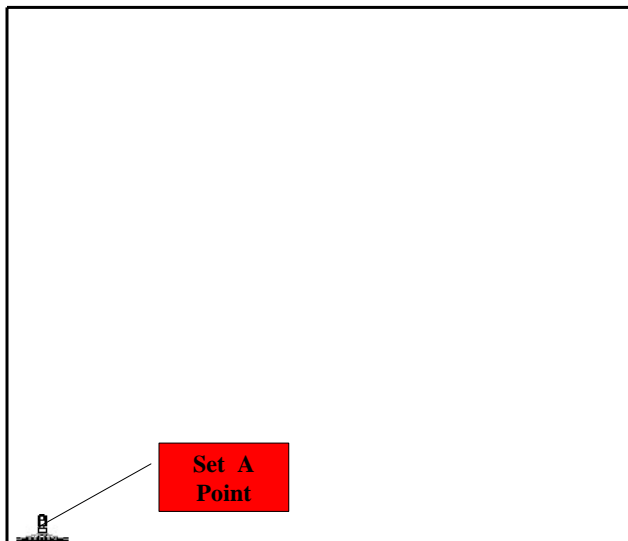
- Pesticide, Fertilizer, and Herbicide Applications
- Tillage
- Planter and Drill
- Combine
- Installing Tile
- Anhydrous Ammonia Application

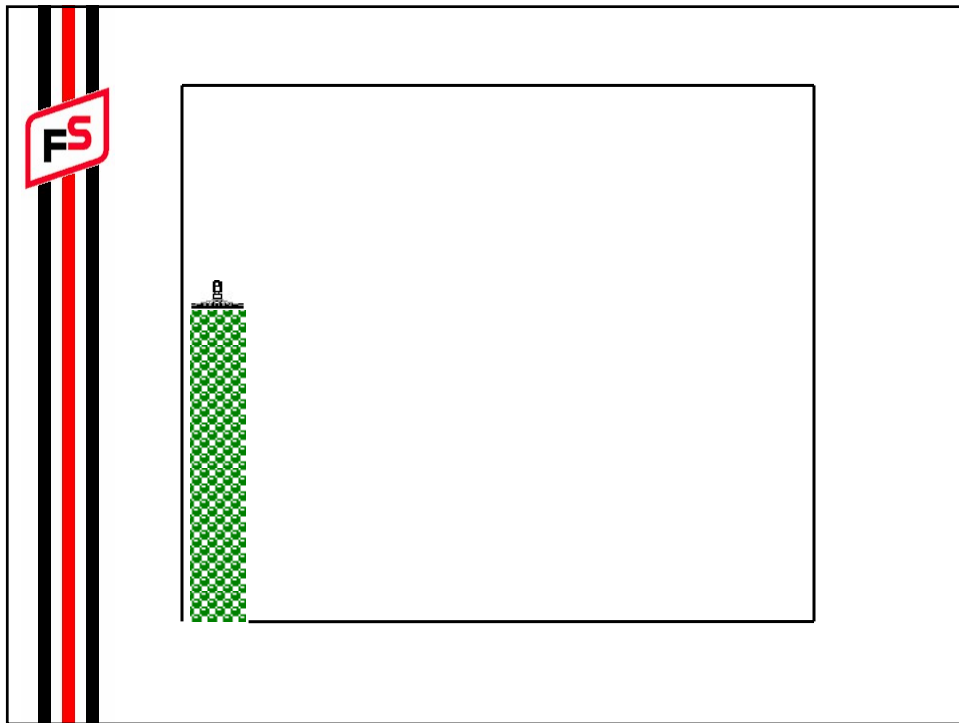
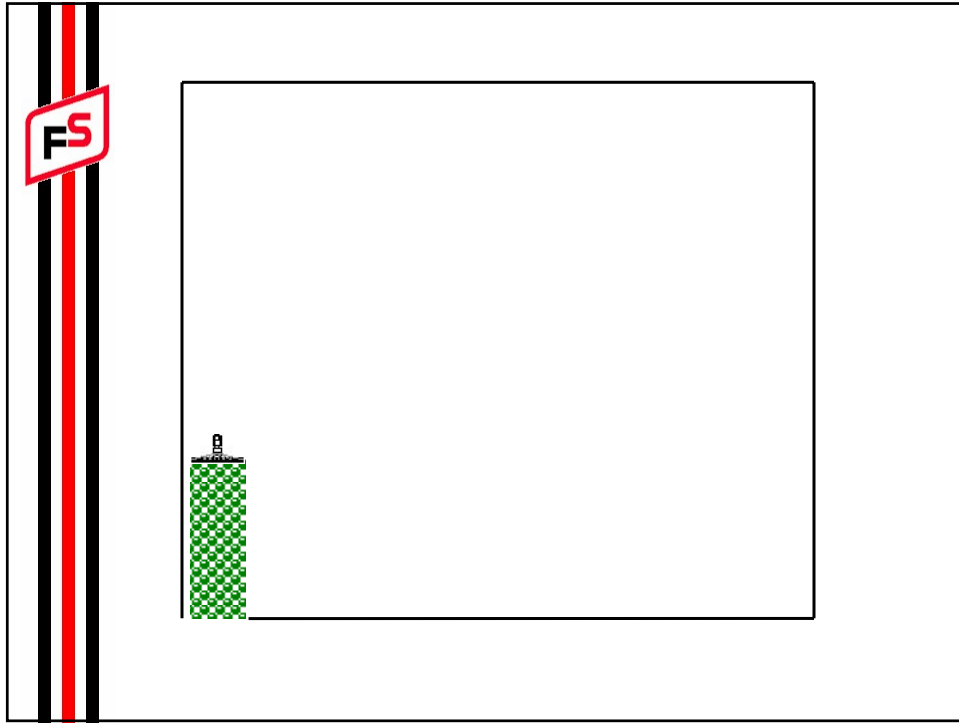


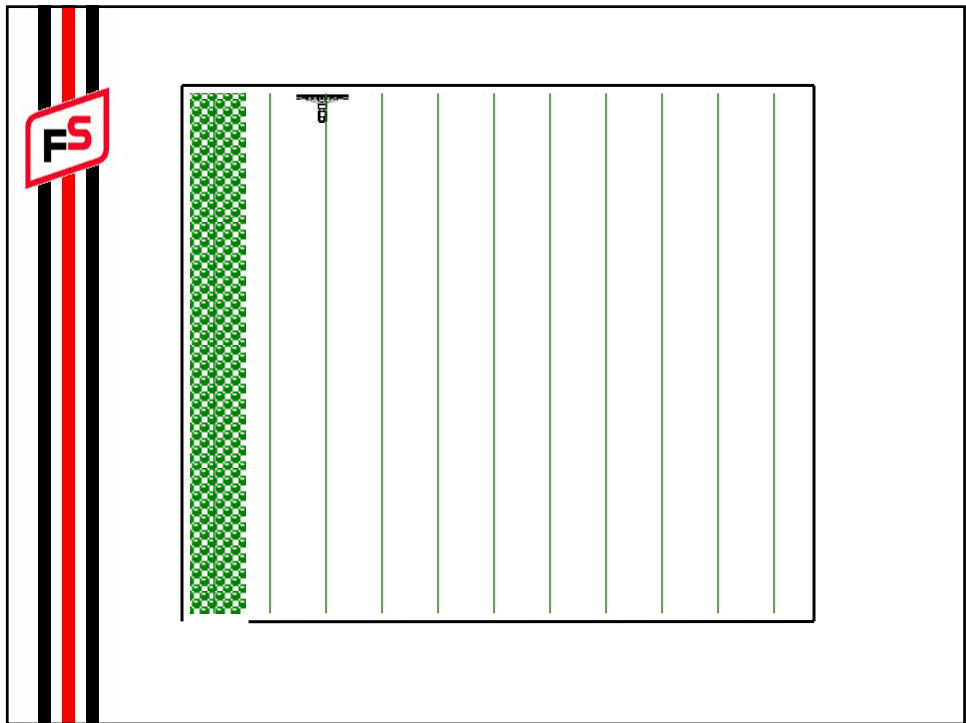
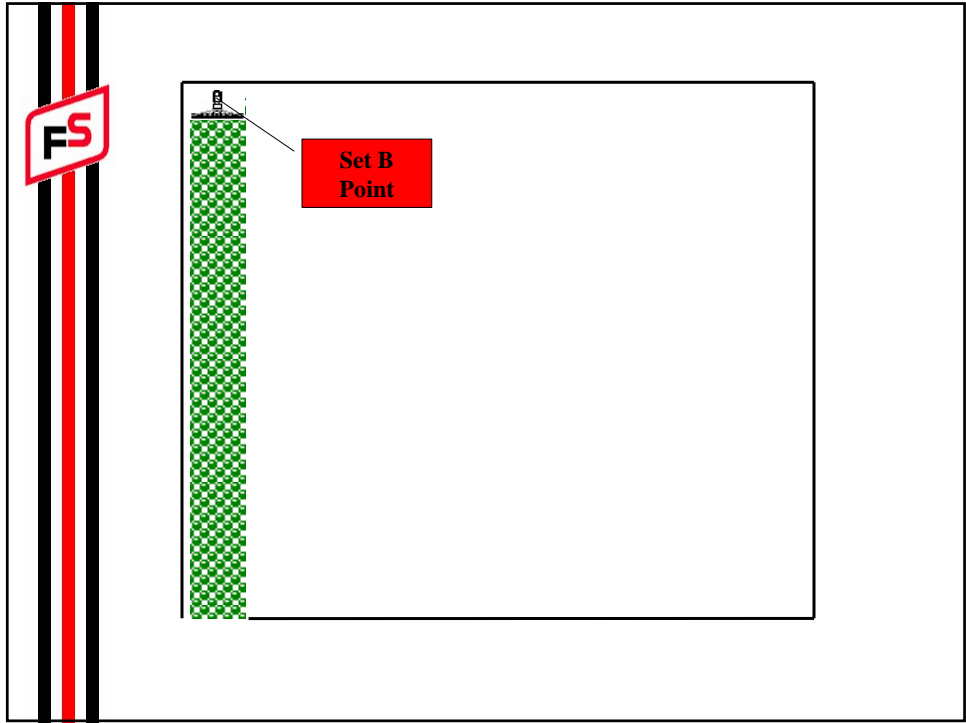


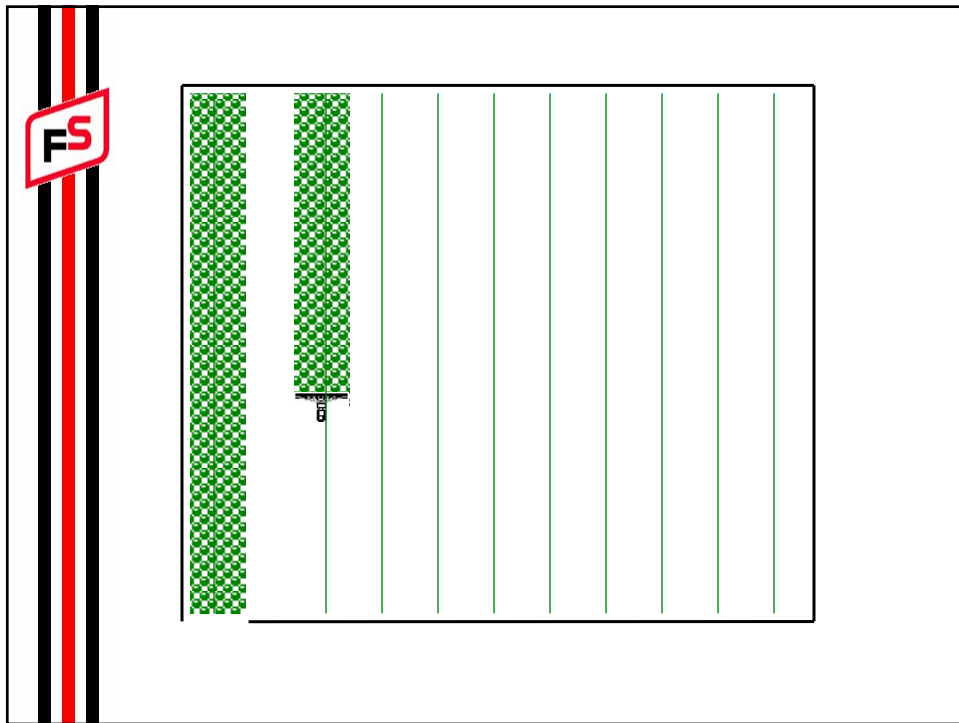
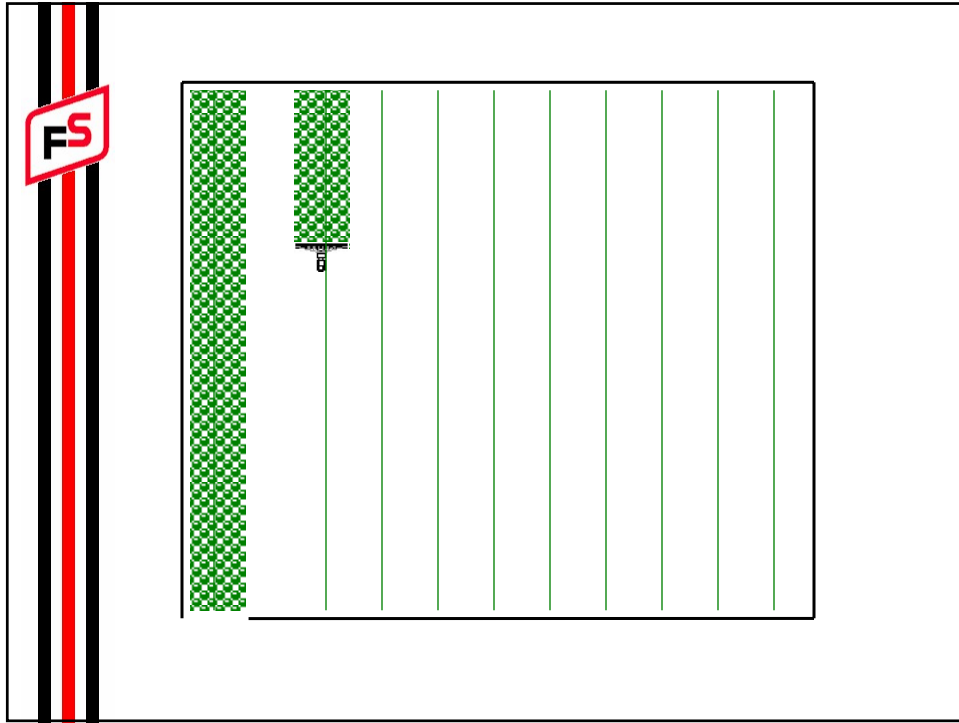
Light bar / Guidance Benefits

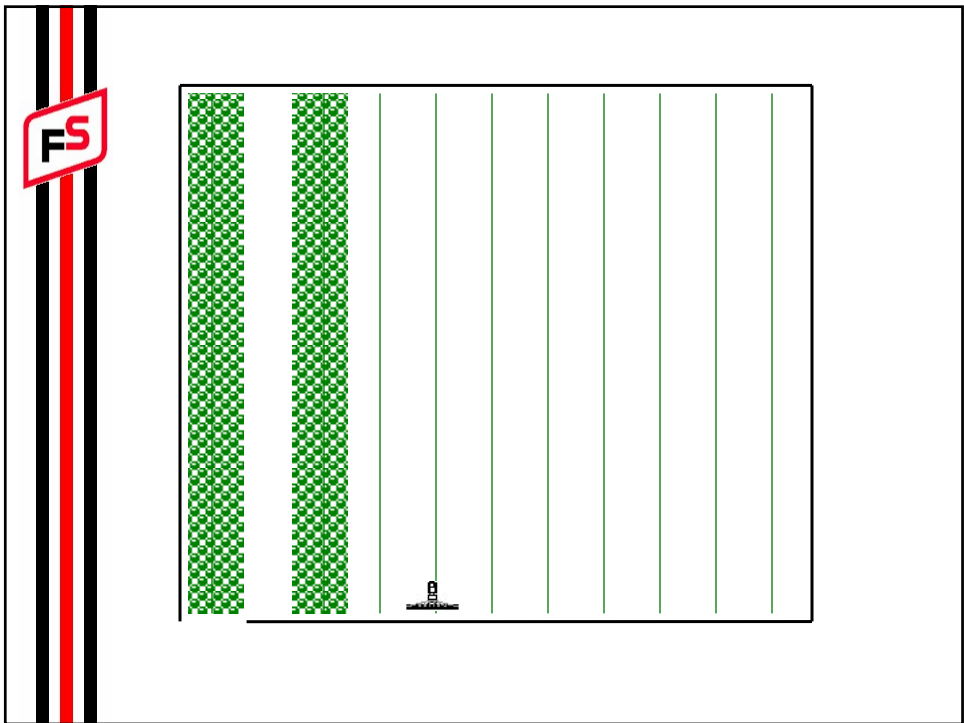
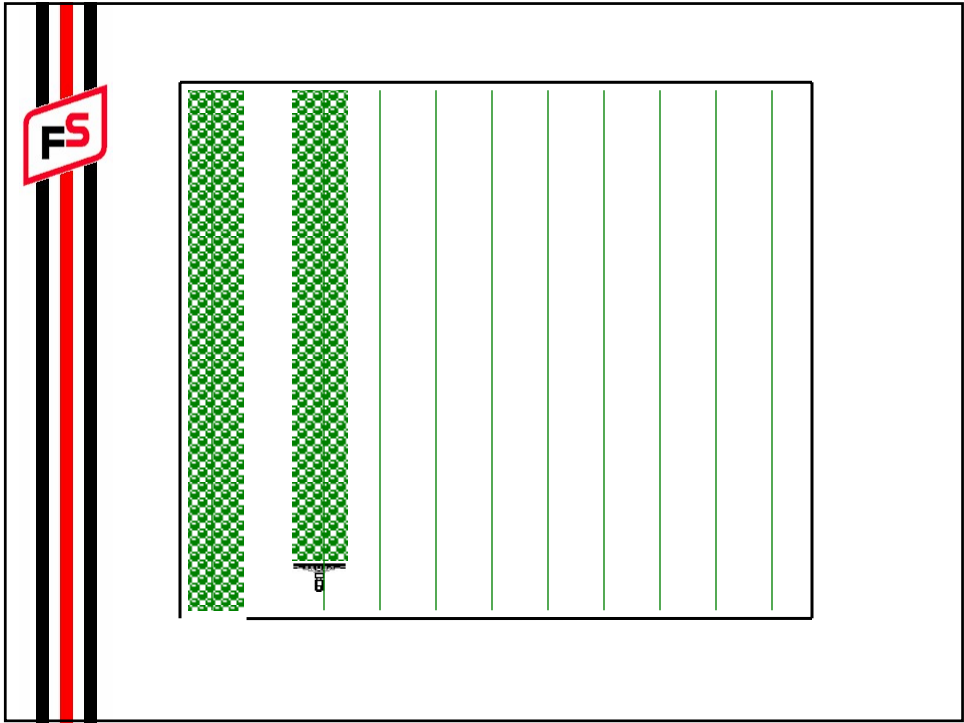
- Reduce skips and overlaps
- Drive faster
- Extended hours dust, fog, night
- Reduced driver fatigue
- Requires less skilled labor {RTK}
- Create Skips

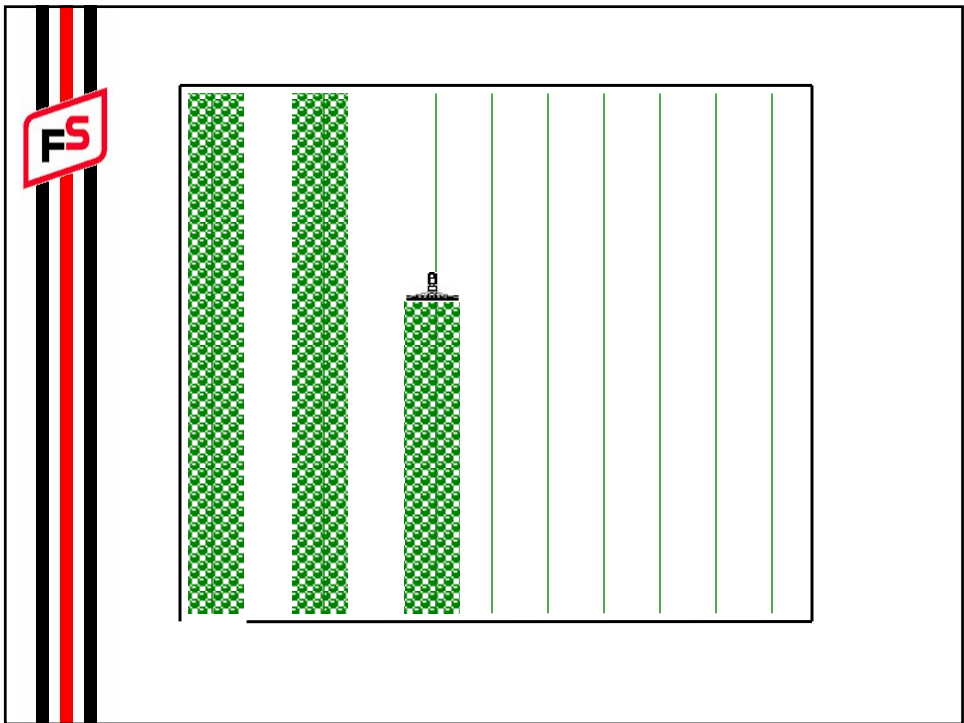
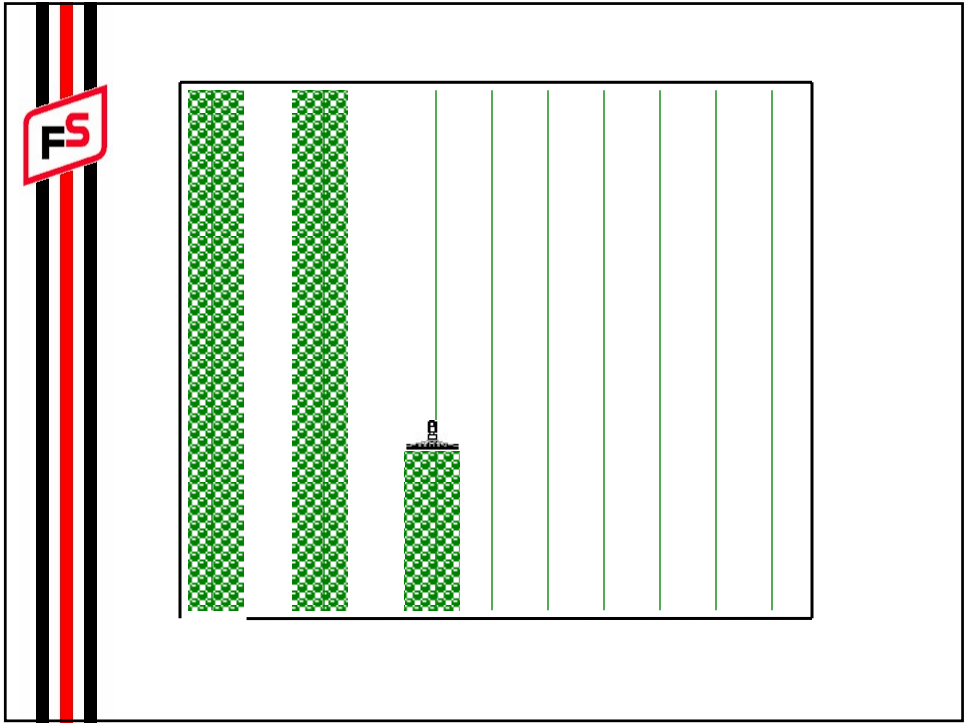


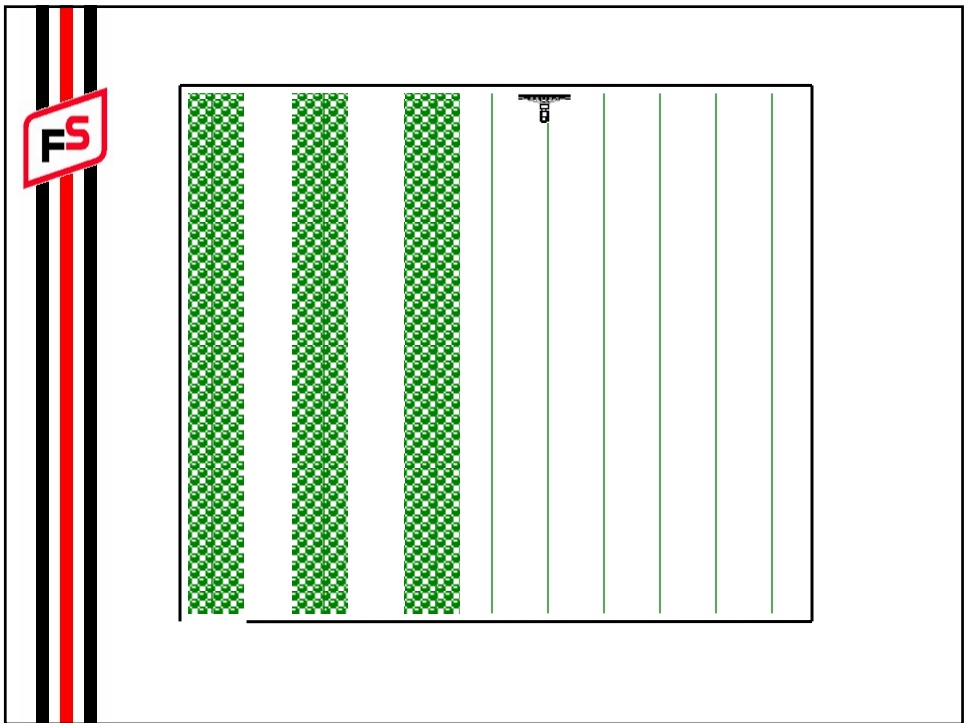
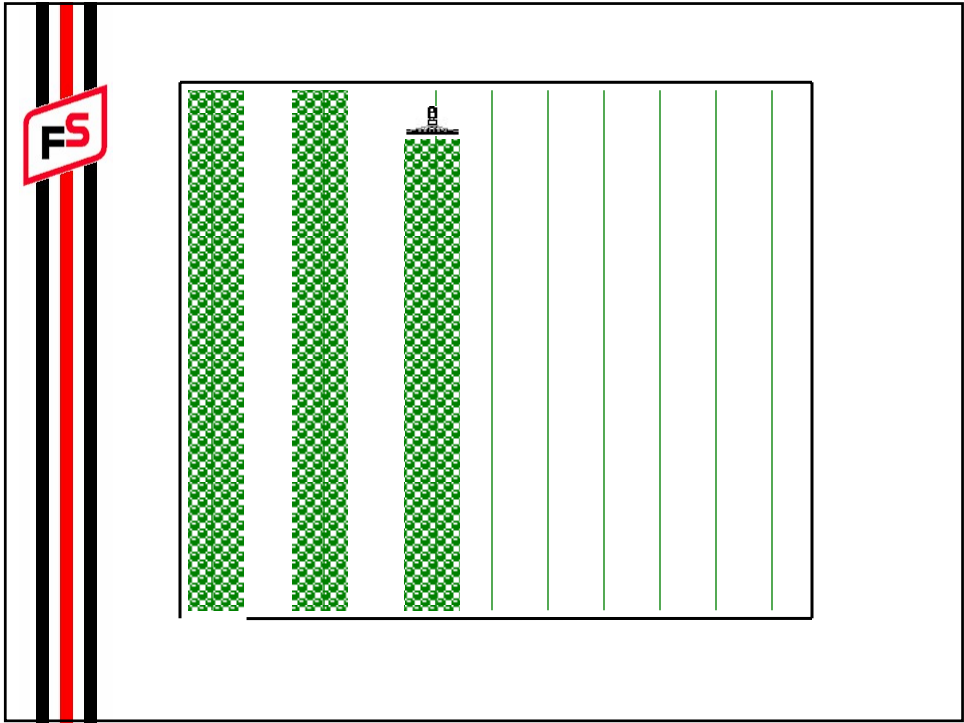


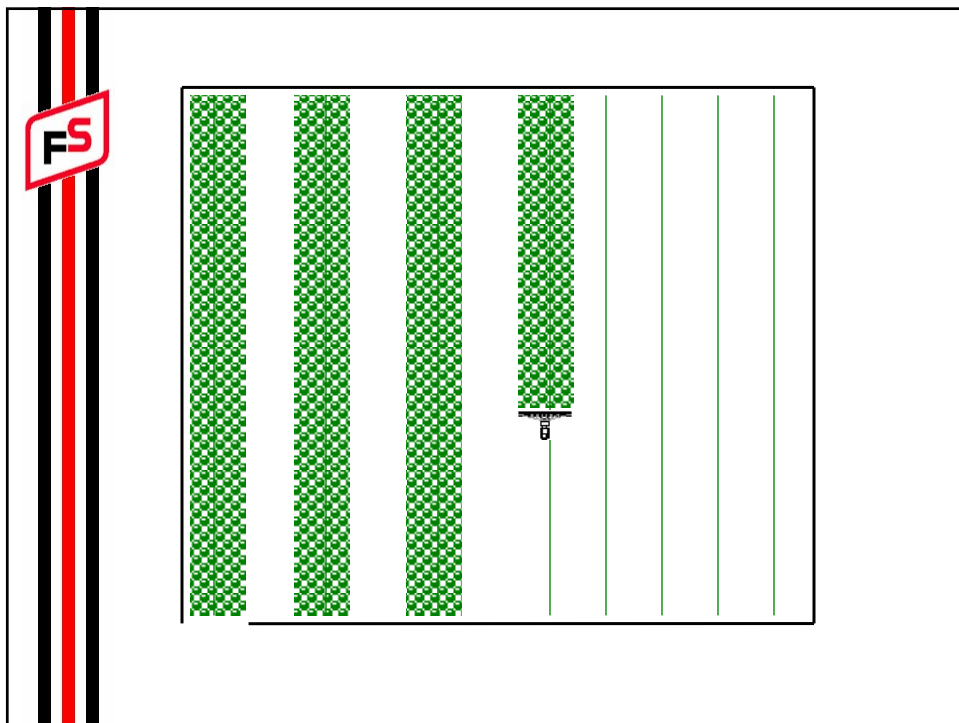
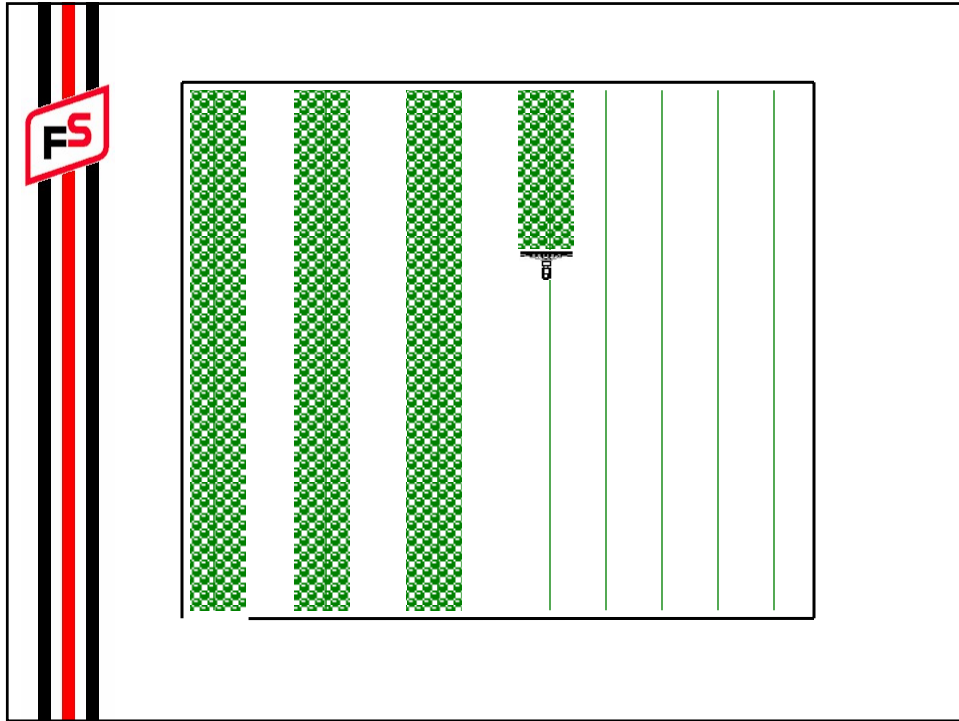


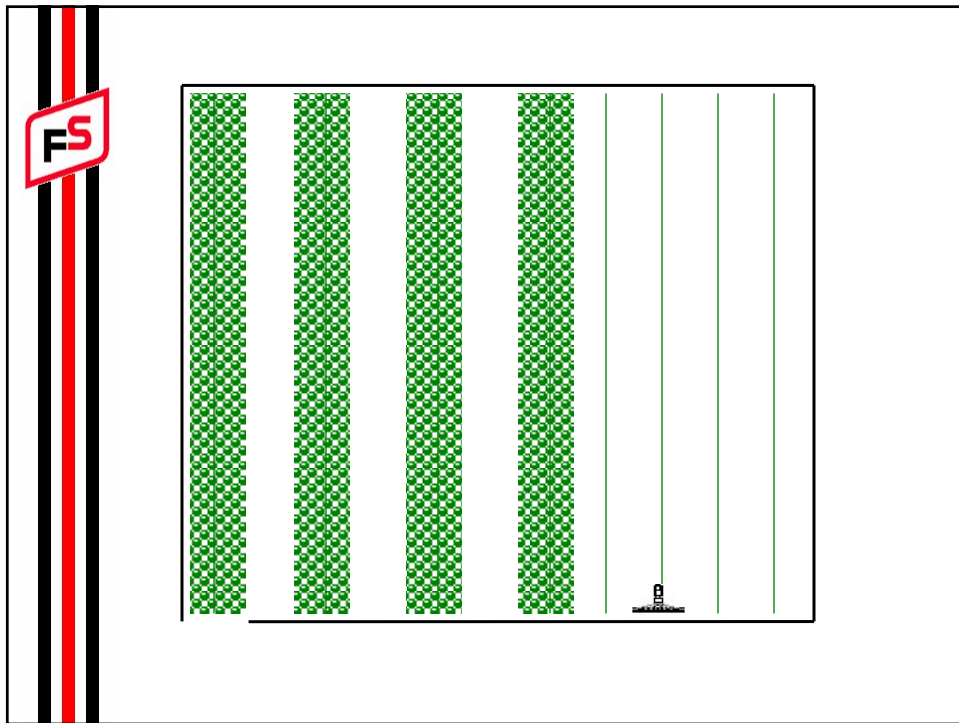
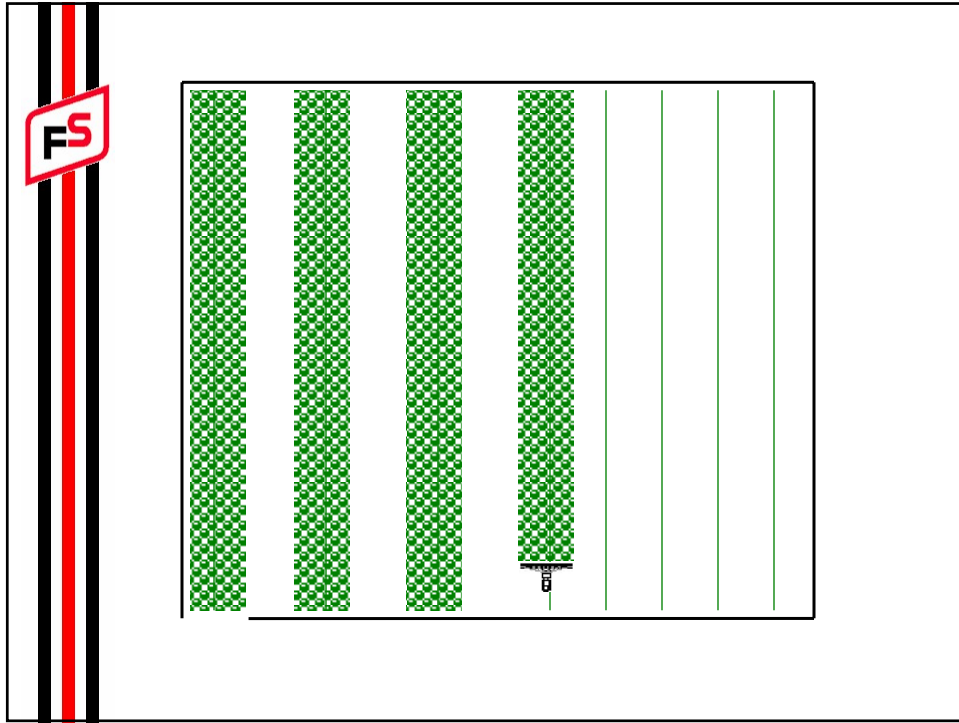


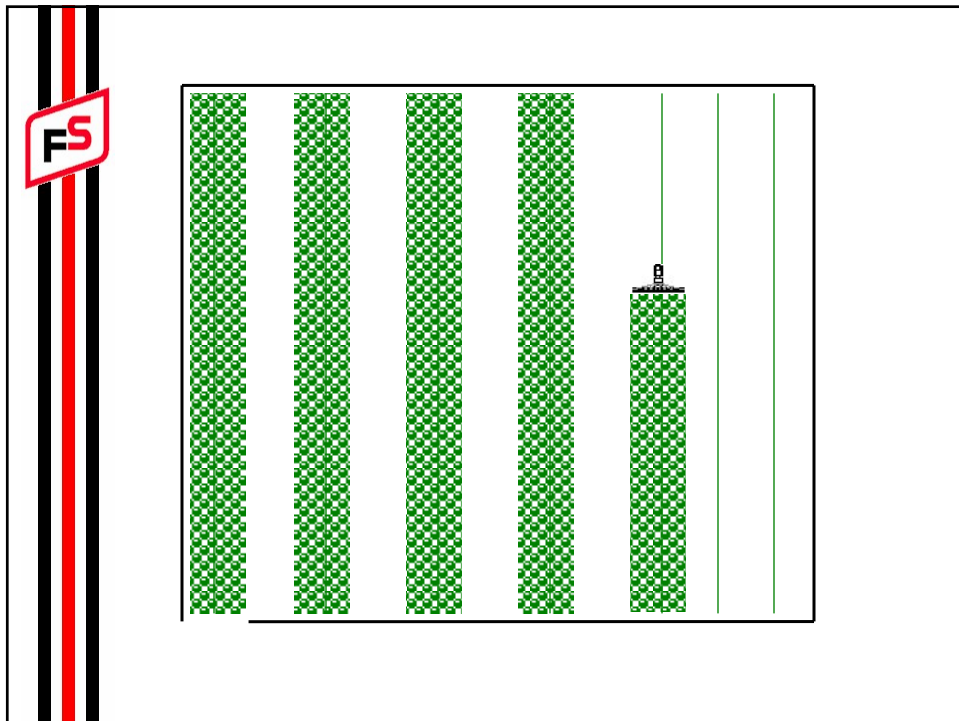
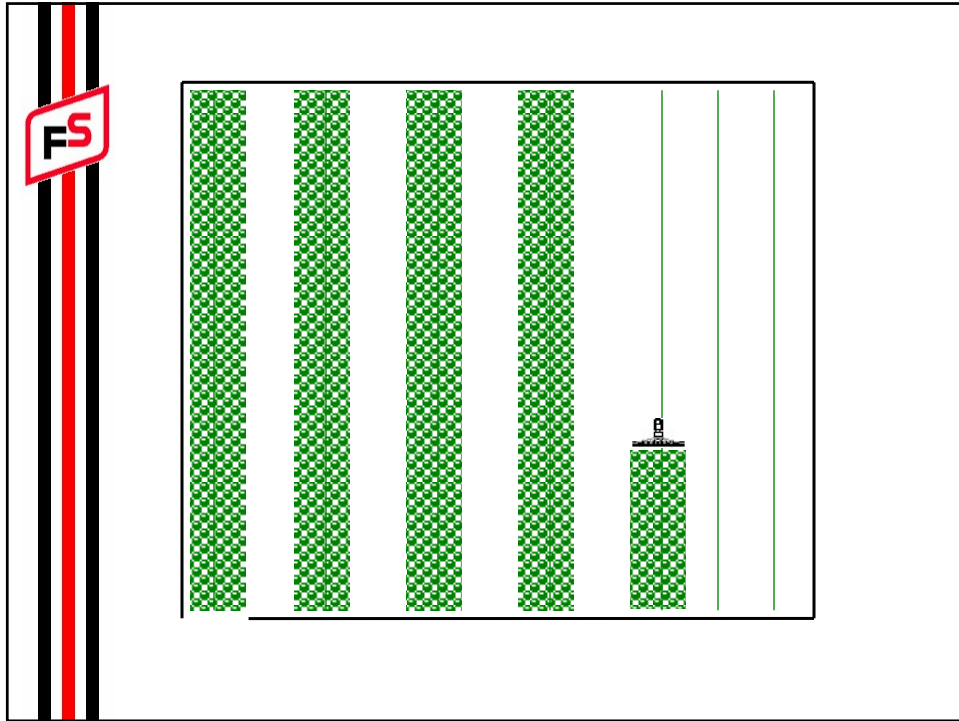


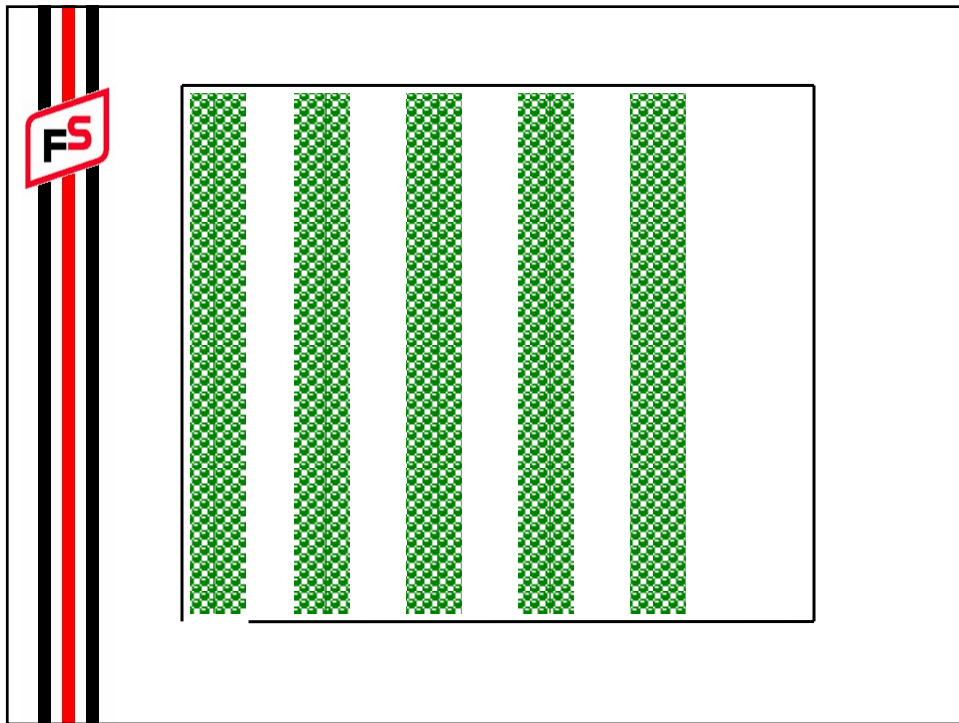
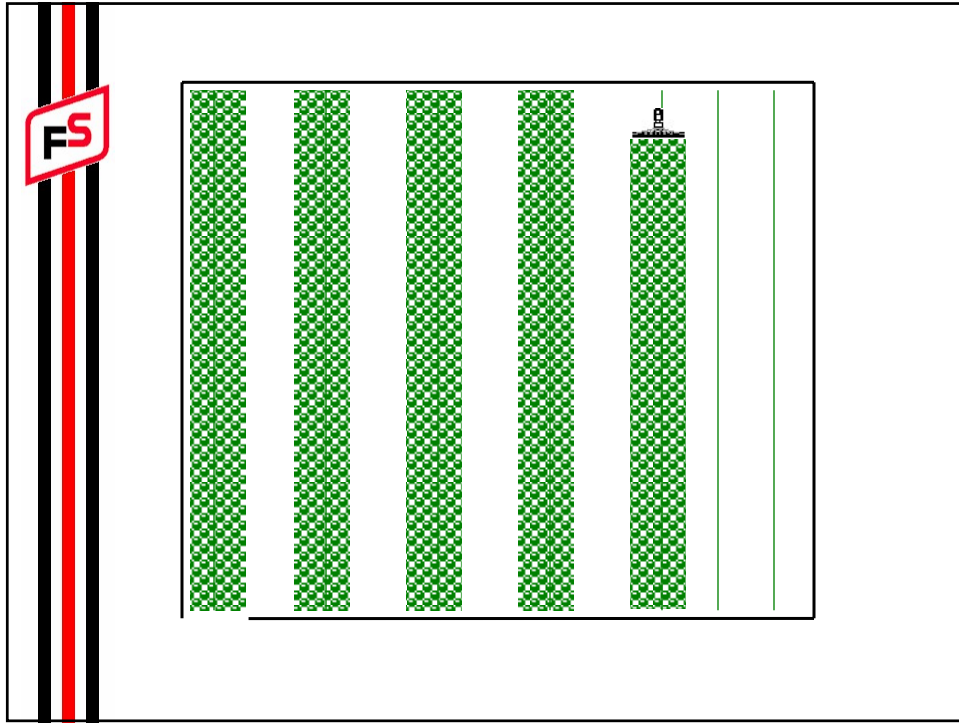














Agricultural Revolution

- The plow
- Roundup Ready Corn / Soybeans
- Auto Pilot



Change is inevitable Growth is optional

- Light bars
- Easy Steer
- RTK base stations
- Auto Pilot



