Gathering Greens

A Low Cost Tractor-Powered Salad Greens Harvester

Yellow A
Collecting Greens is Laborious

- Verified by Farm School
- Scissor-cut salad greens
- Small window requires many laborers

Gathering Greens
Gathering Greens
Gathering Greens Harvests Faster
Gathering Greens Has Potential Customers

< $250,000 earnings
Order of magnitude: 10 acres

36,000 small produce farms in the US

All Agricultural Machinery: $35.4B
Harvesting Machinery: $8.6B

Expected Growth (2012-2017): 1.5% per year

Unique Market

$4-10 \quad $500-1000 \quad $8000 \quad \ldots \quad $250k - 1,000k

Gathering Greens

Sutton Ag: http://www.suttonag.com
Design Criteria

- Harvest faster
- Comparable quality
- Affordability
- Easy Maintenance
Gathering Greens
Sketch Model

• Cutting Mechanism
  • rotational-to-rotational band saw blade
  • rotational-to-linear reciprocating blade system
Gathering Greens
Lessons Learned for Cutting

- Better lubrication
- Optimize blade geometry & pitch
- Resolve collection issues
Roadmap for Development

• Cut preparation
  • refine the blade design

• Collection
  • possible suction vacuum technology
Thank you!

- Questions?