











What happens when grain is sprouted?

- Starches transformed to sugars
- Mineral & vitamin levels increased
- Digestibility improved







Beef Cattle Health

- Improved weight
- Improved fat & marbling
- · General well-being in the herd
- Improved coat condition
- Improved fertility



Dairy Cow Health

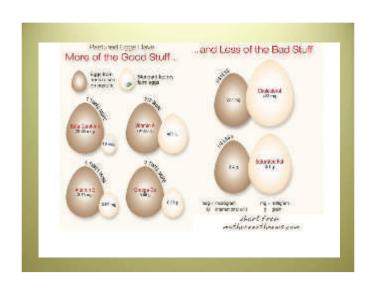
- Improved milk production
- Higher butterfat & milk protein
- Lower involuntary cull rate
- Virtually eliminate acidosis & laminitis (vs grain diet)
- · General well-being in the herd
- Improved coat condition
- Improved fertility





















Barley Sprout Production Costs

Inputs	Cost/Unit	Cost/Ton
Seeds/Lb	\$0.37	\$111.00
Nutrients/Day	\$13.62	\$5.21
Energy/Day	\$35.00	\$11.67
Labour/Hr	\$16.00	\$62.00
	TOTAL	\$159.87

Beef Feeding Results

- 100 pasture-based friesian bulls over a 12 week period
- Sprout-fed group showed:
 - 41% Faster daily weight gain
 - 27% Lower feed cost per lb of gain
 - 23% Less dry matter consumed
 - 0% annualized cull rate vs. 17%

Indoor vs Outdoor growing costs

- 600lb sprouts/sq ft/yr
- 1 ton/day =150-300ac of good pasture
- Reduced tractor & implement needs



























Growing Sprouts - Challenges

- Temperature & humidity control
- Water regulation & dispersal

Disease management

Labour needs



