



CGA Annual Market Survey 2016-2017

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Seedlings vs Cultivars If you have: ✓ The best soils for chestnut

- ✓ The best climate for chestnut
- Cultivars with known production for a given climate and soil
- ✓ The optimal management practices
- ✓ You will have the most productive chestnut growers and best prospects for the future of the industry



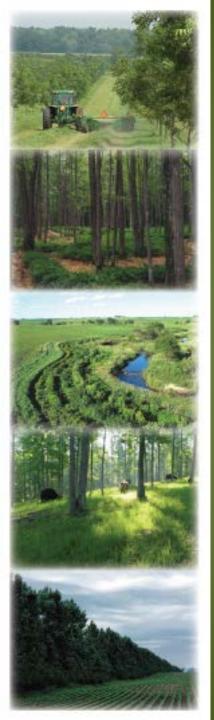
The Center for Agroforestry **University of Missouri**

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How to improve your bottom line, years to break even and profit? Earn income while waiting for nut production. ➤ How?

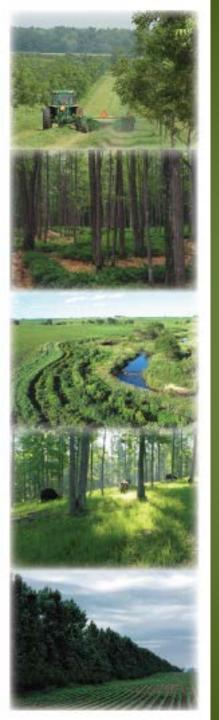
Alley Cropping in first 5+ years

SZEGO AGE 11 50+ lbs

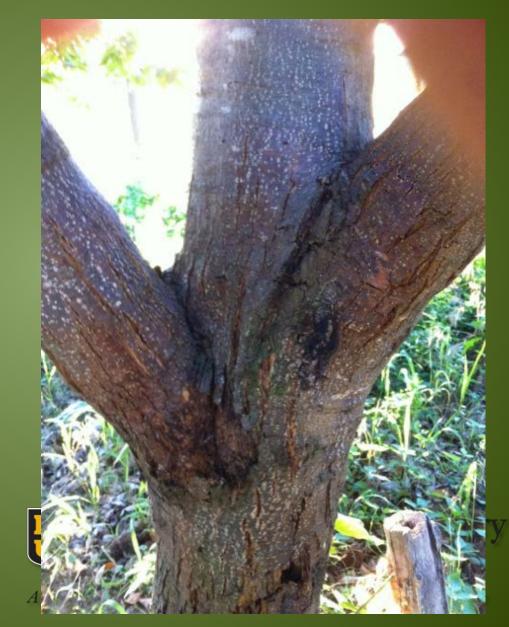


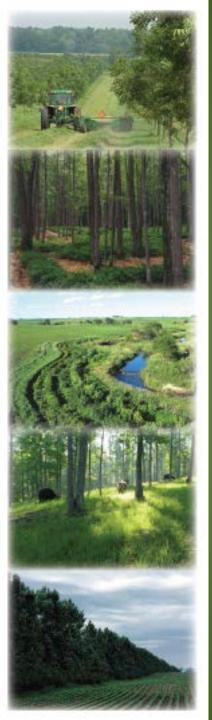
SZEGO NUTS

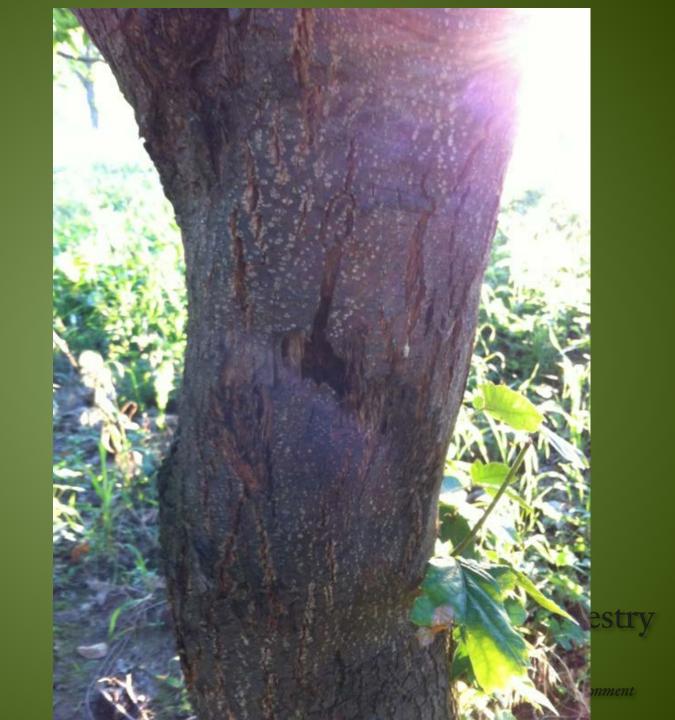




Szego – Canker 6/10/17











CGA Market Survey

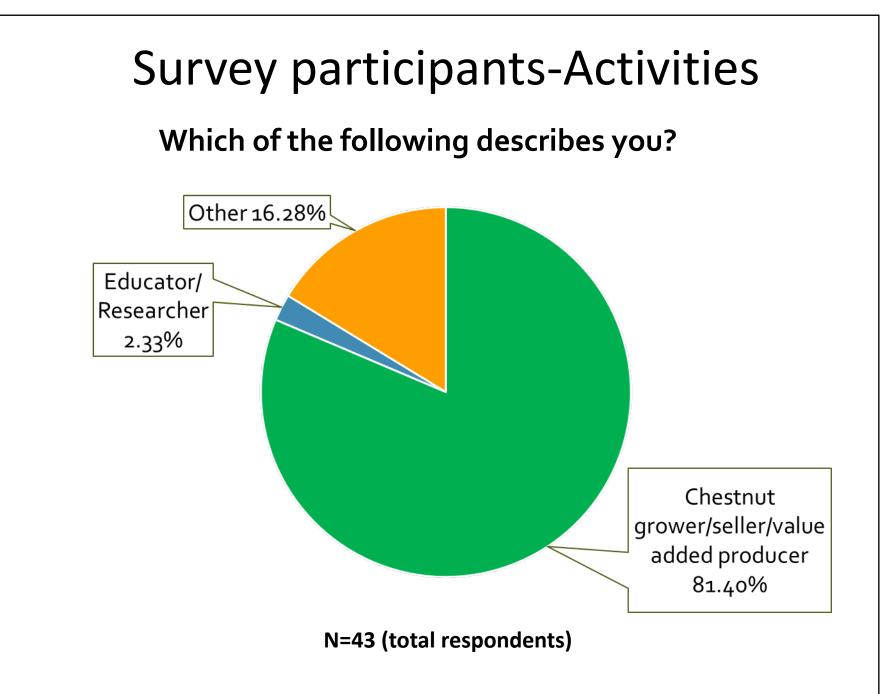
- Conducted annually since 2009
- *Survey CGA members



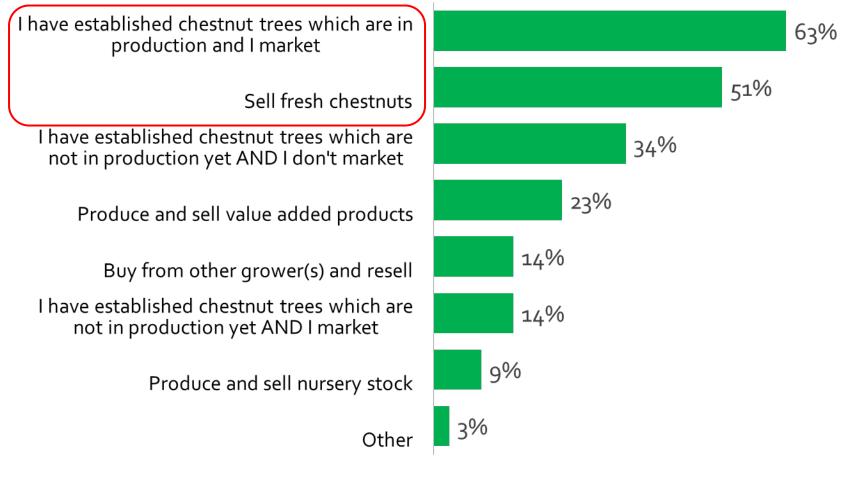
• To provide an updated information on chestnut production, harvesting and marketing.



*Past surveys have included current and past CGA members, this year, **only current members**

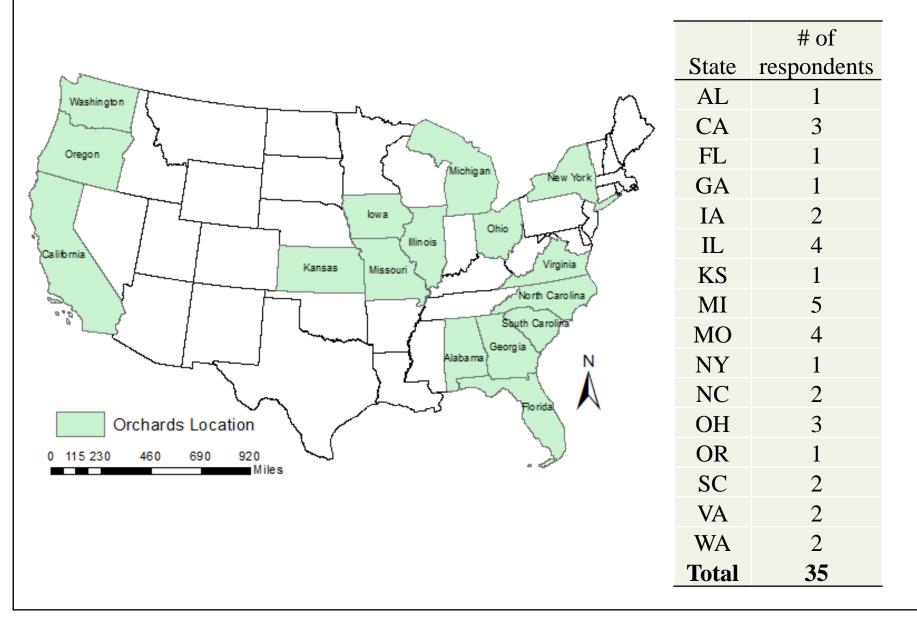


Survey participants-Activities



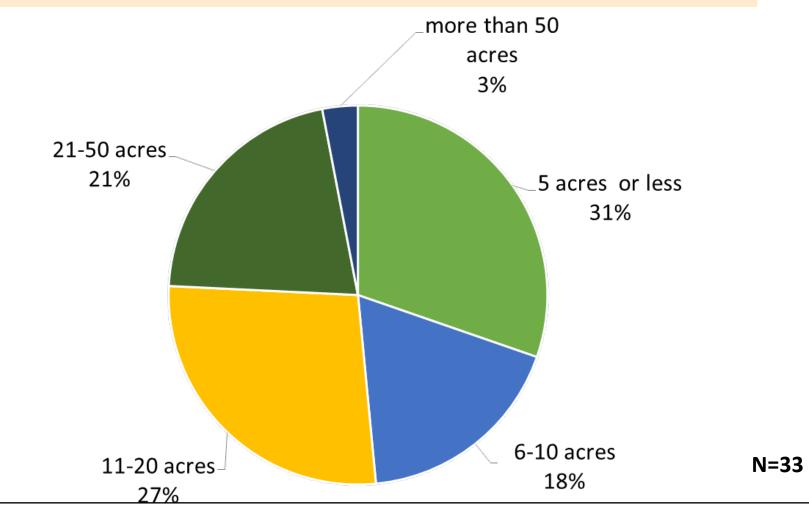
N=35 (growers/sellers)

Survey participants – Orchards Location



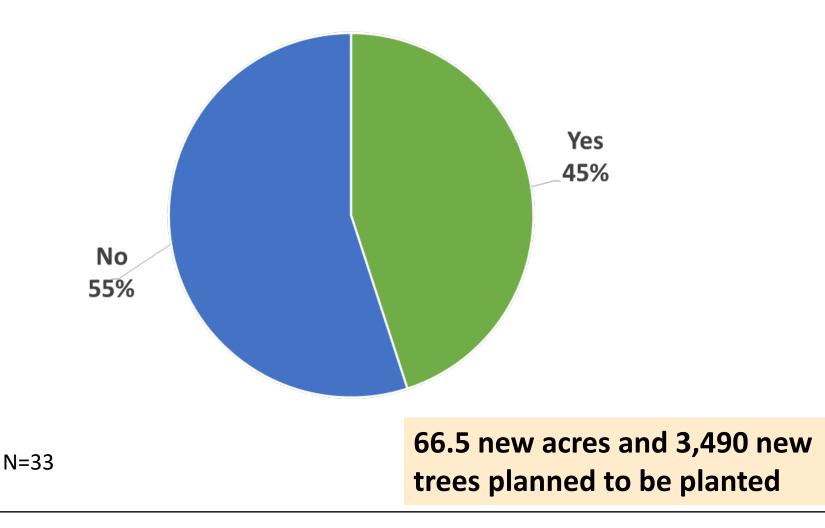
Production operation - 2016/2017

- Total acres reported planted in chestnuts: **554**
- Commercial production: 278.5 acres
- 49% have less than 10 acres planted

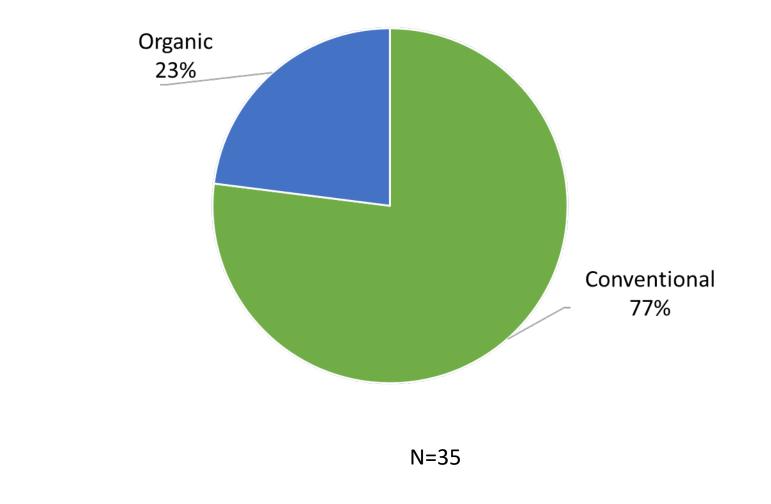


Production operation: Plans (2017/18)

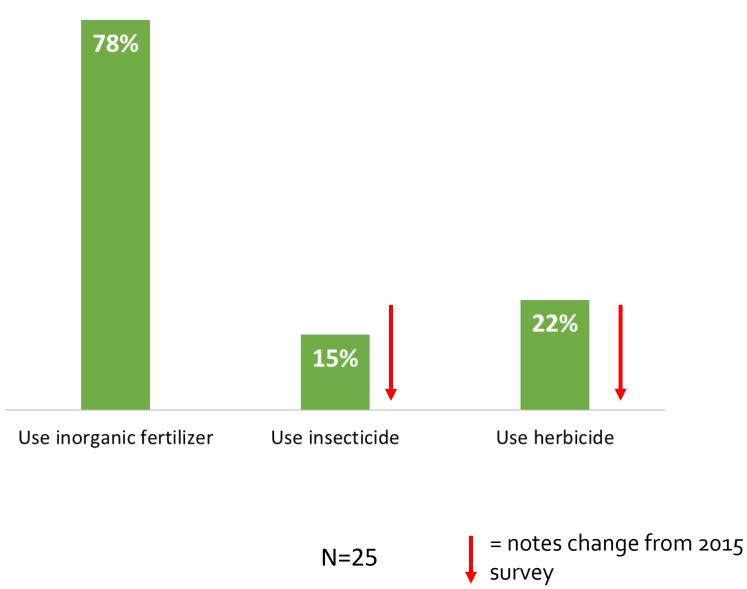
Are you planning to expand your orchard?



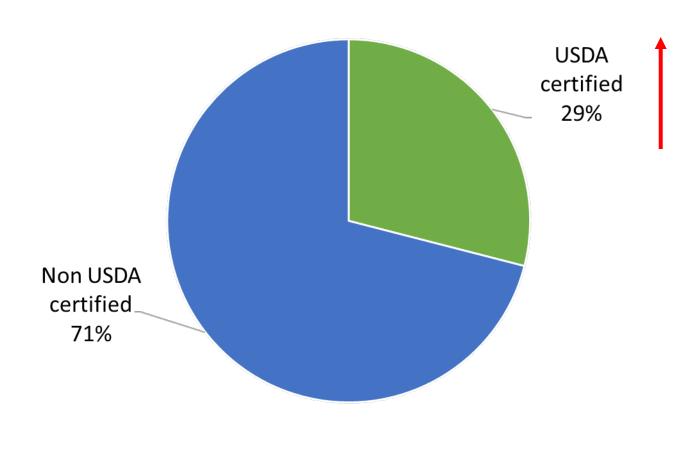
Production operation: Production process



Conventional Production

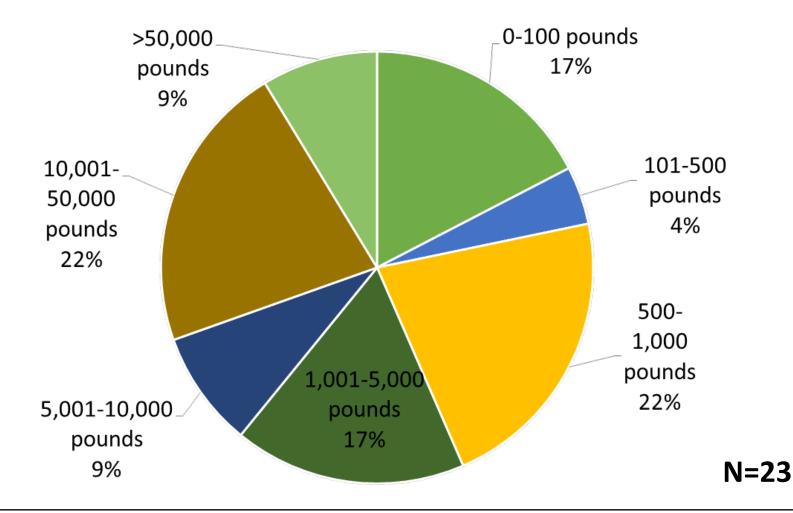


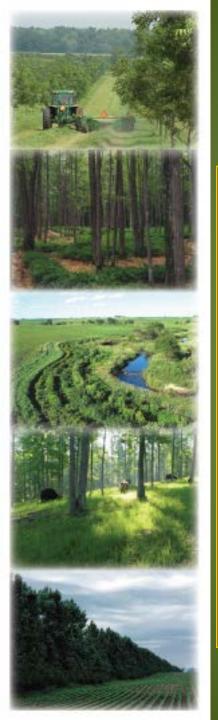
Organic Production



The 2016 production season

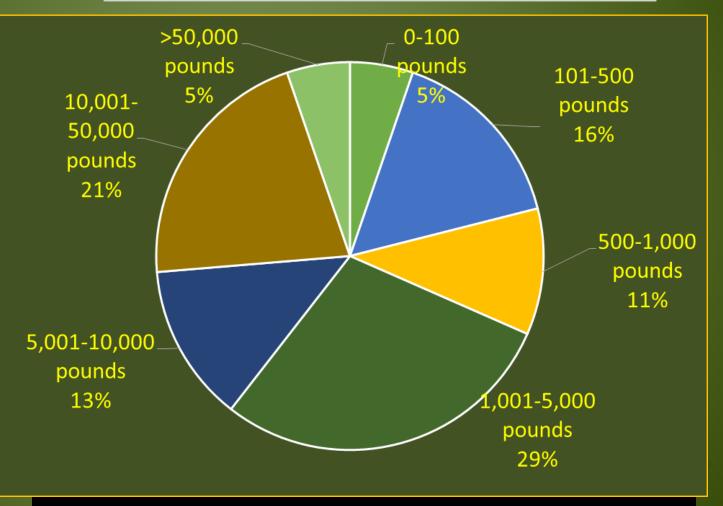
Total pounds of chestnuts harvested: 294,452 pounds On average, 12,802 pounds/respondent





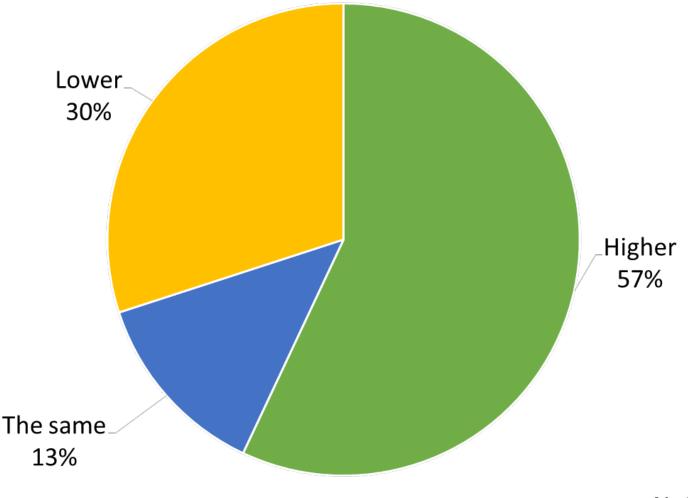
Compare: 2015 production season

Total pounds harvested: 477,424* 12,903 pounds/respondent



(N=38) *NOTE: Larger sample size

2016 Yields: Comparison to 2015



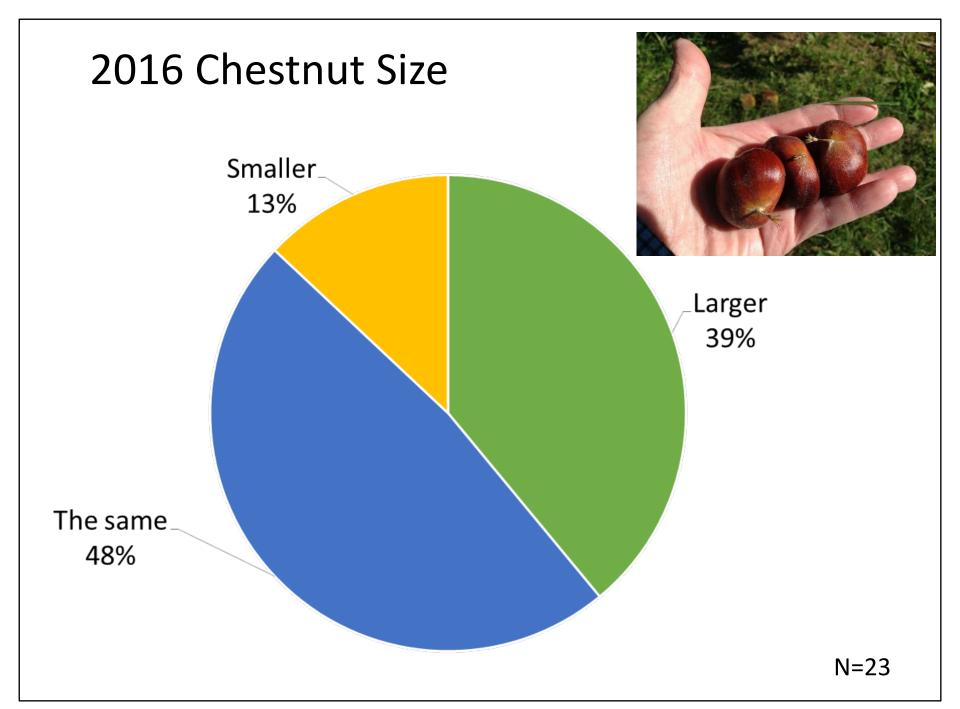
2016 Yields: Comparison to 2015

Higher yield

- Weather
- Higher quality of the nuts, less culls
- Trees grew
- Trees are maturing and not yet to full production.
- Trees coming into maturity.
- Fertilizer

Lower yield

- Older trees killed by standing water/ thinning/ smaller yield on younger trees
- Bad harvest weather and poor pollination
- Extremely wet weather
- Crop loss due to Cicadas
- Late hard freeze
- Periodical cicadas (17 yr) devastated crop: 90% loss in affected orchards



2016 Chestnut Size

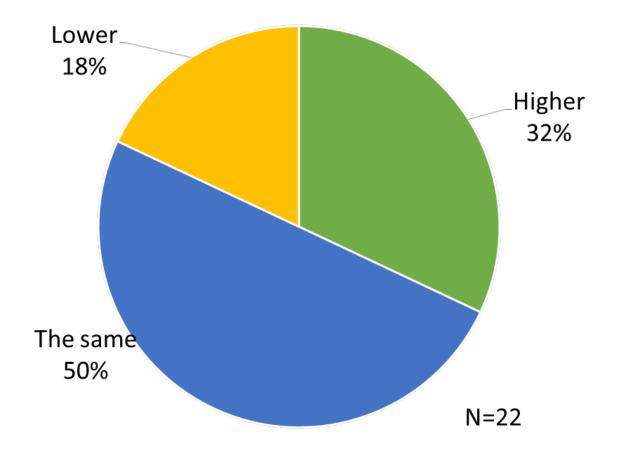
Larger size

- Lack of pollinizers due to previous freeze
- Fewer nuts and heavy rains
- Organic fertilizer
- Lower yield fewer nuts per tree
- Good weather & light crop
- Maybe maturity.
- Water
- Fertilizer and good weather conditions

Smaller size

• Hot summer

2016 Chestnut Quality



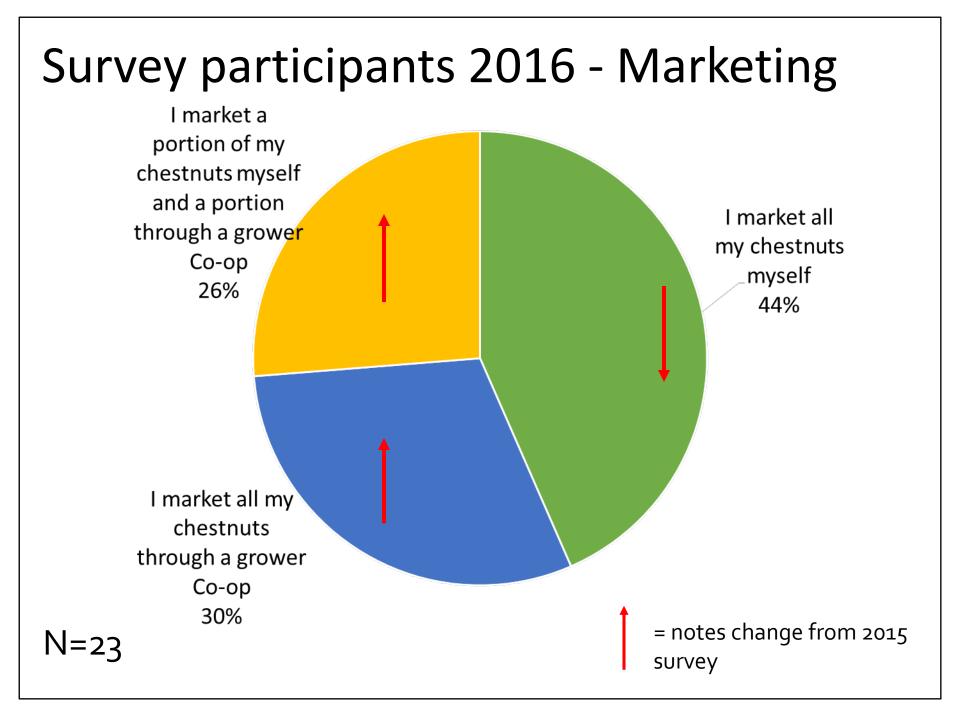
2016 Chestnut Quality

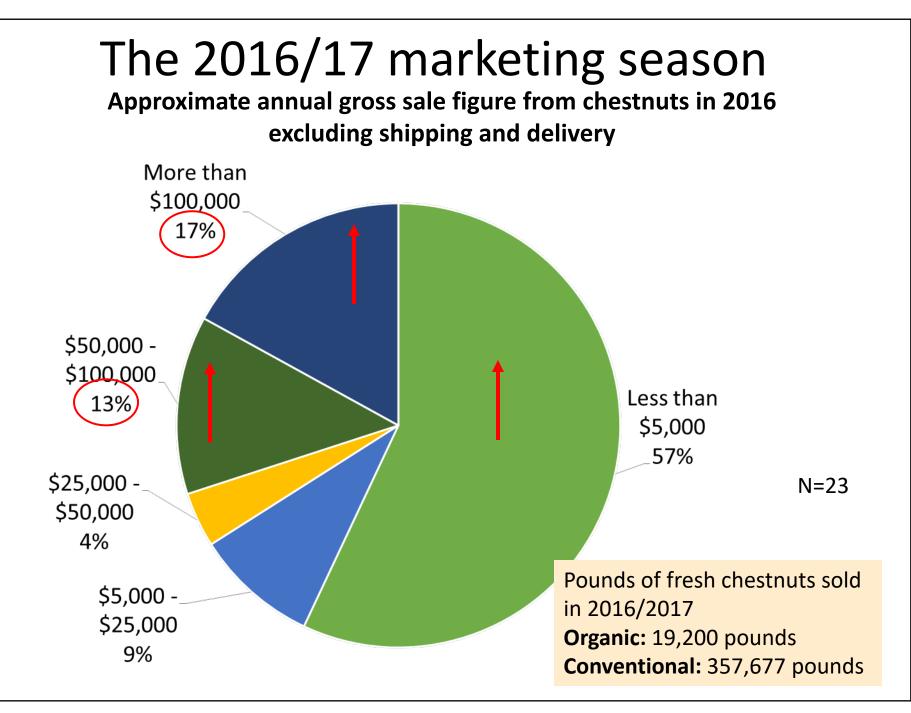
Higher quality

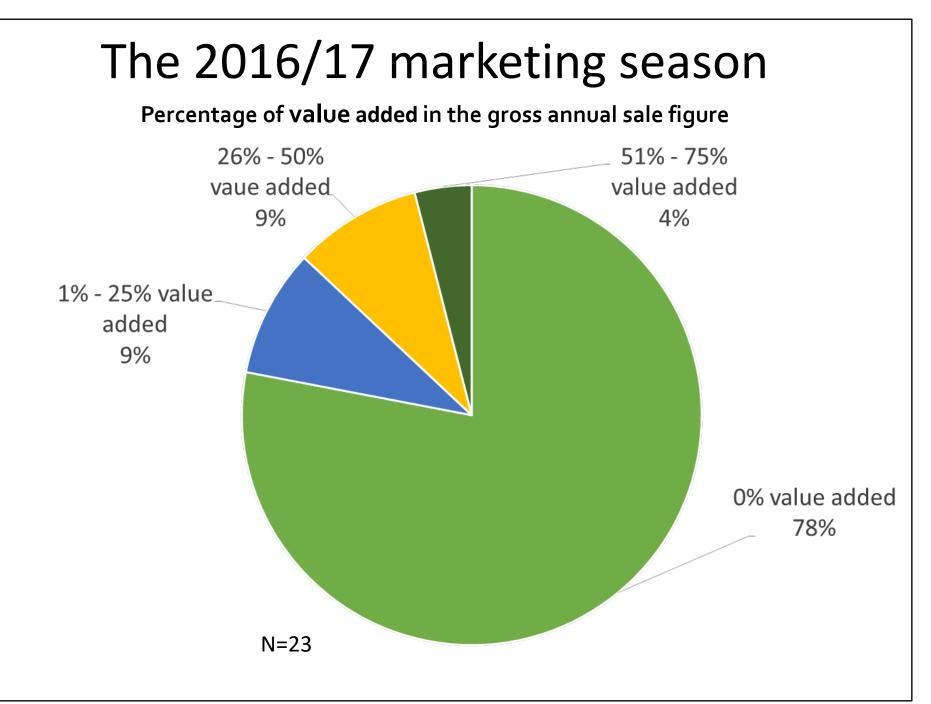
- Much less blossom end rot than last year
- Most of them were Jumbos.
- Much more even in size and quality
- Bigger, cleaner and held up better
- Weather

Lower quality

- More fungal spots
- More blossom end rot due to small crop and more deer depredation

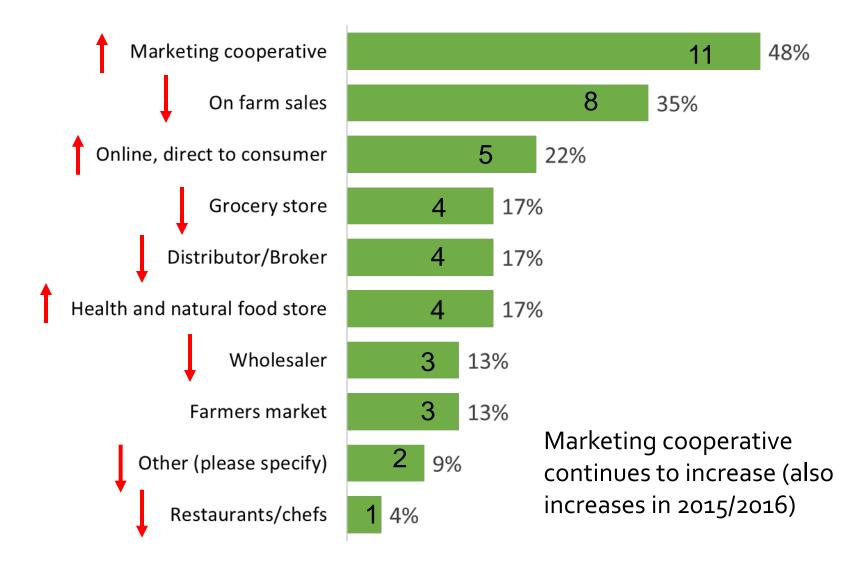






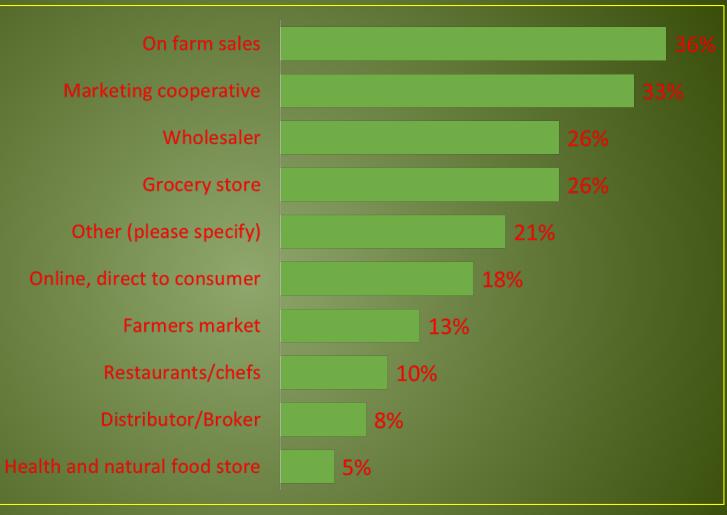
The 2016/17 marketing season

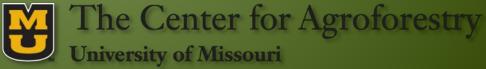
Market outlets





COMPARE: 2012 marketing season





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The 2016/17 marketing season

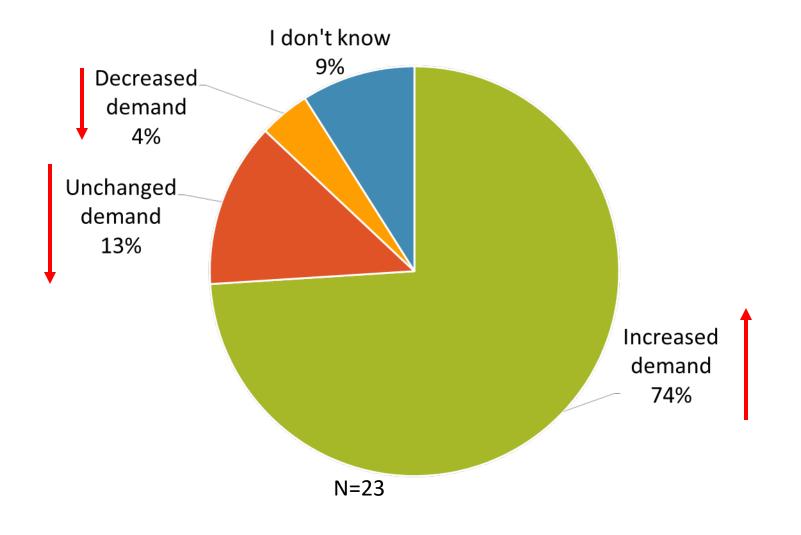
Prices

Outlet	Price range
Marketing cooperative	\$1.00 - \$3.75
Farmers market	\$5.50-\$7.00
Restaurants/chefs	\$5.50
Distributor/Broker	\$1.00
Health and natural food store	\$4.65
Grocery store	\$1.00
Wholesaler	\$1.82-\$3.81
Online, direct to consumer	\$3.50 - \$8.40
On farm sales	\$2.50-\$8.40

N=33

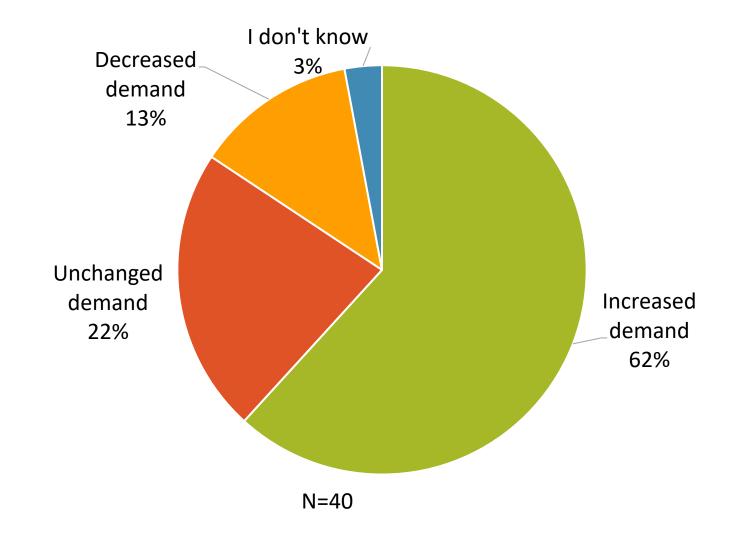
The 2016/17 marketing season

Demand for fresh chestnuts compared to previous year



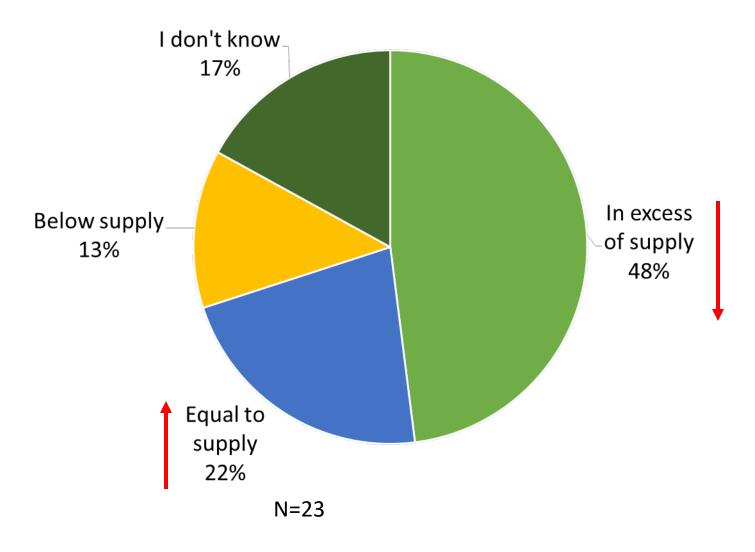
COMPARE: 2015/16 marketing season

Demand for fresh chestnuts compared to previous year



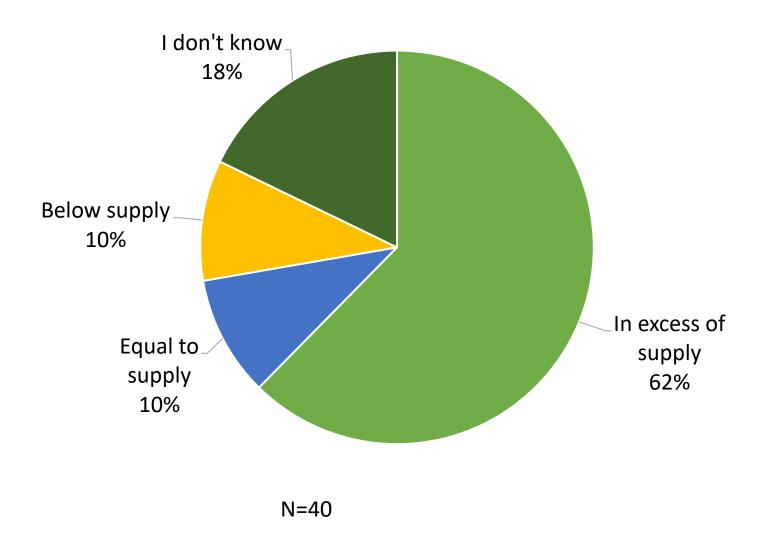
The 2016/17 marketing season

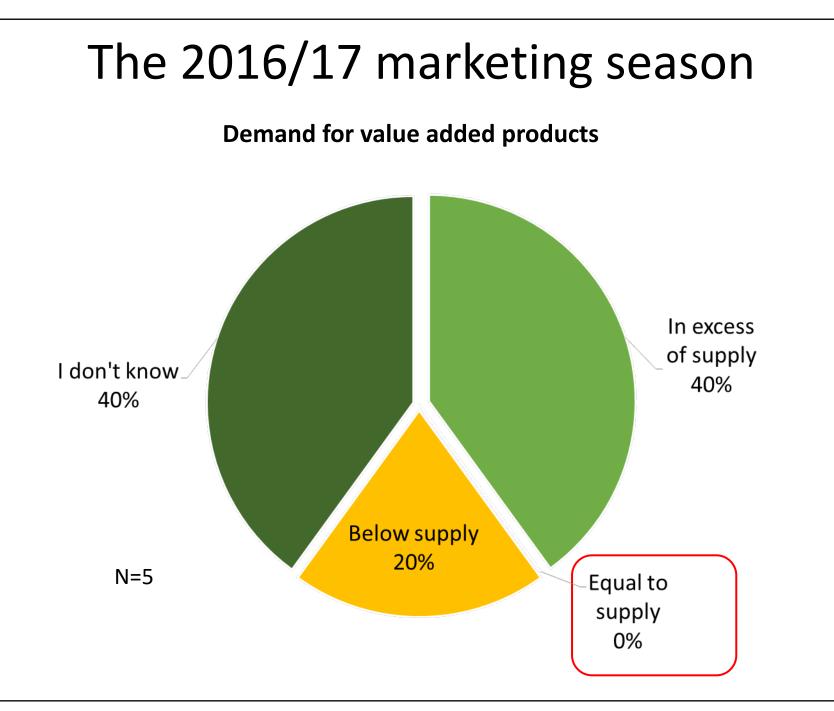
Current demand for fresh chestnuts

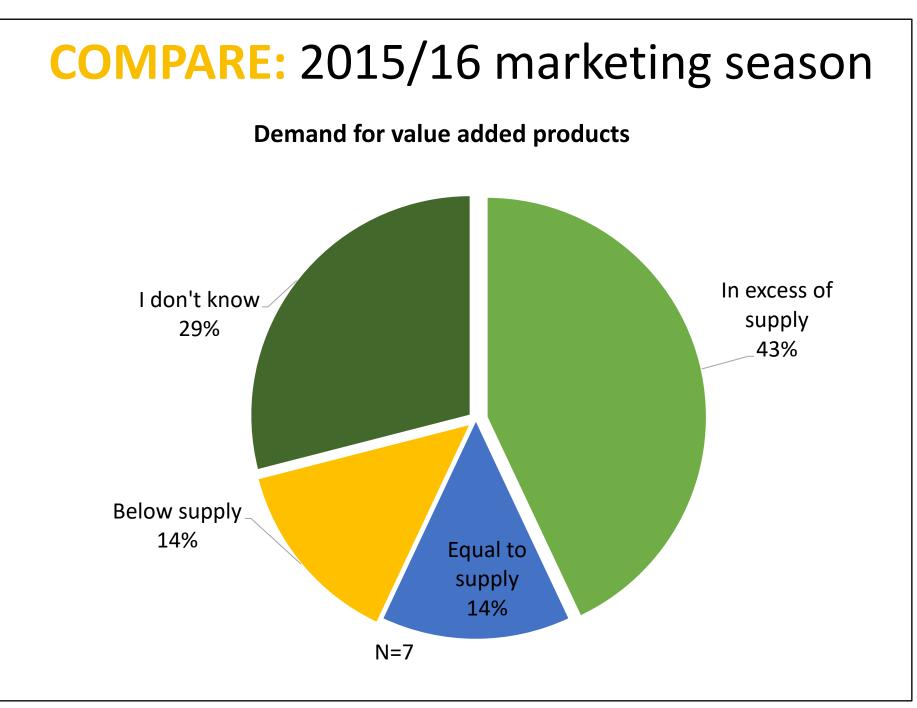


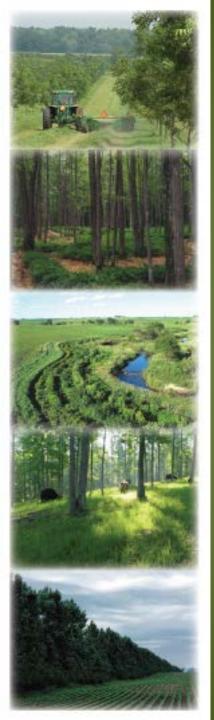
COMPARE: 2015/16 marketing season

Current demand for fresh chestnuts









Thank You!





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