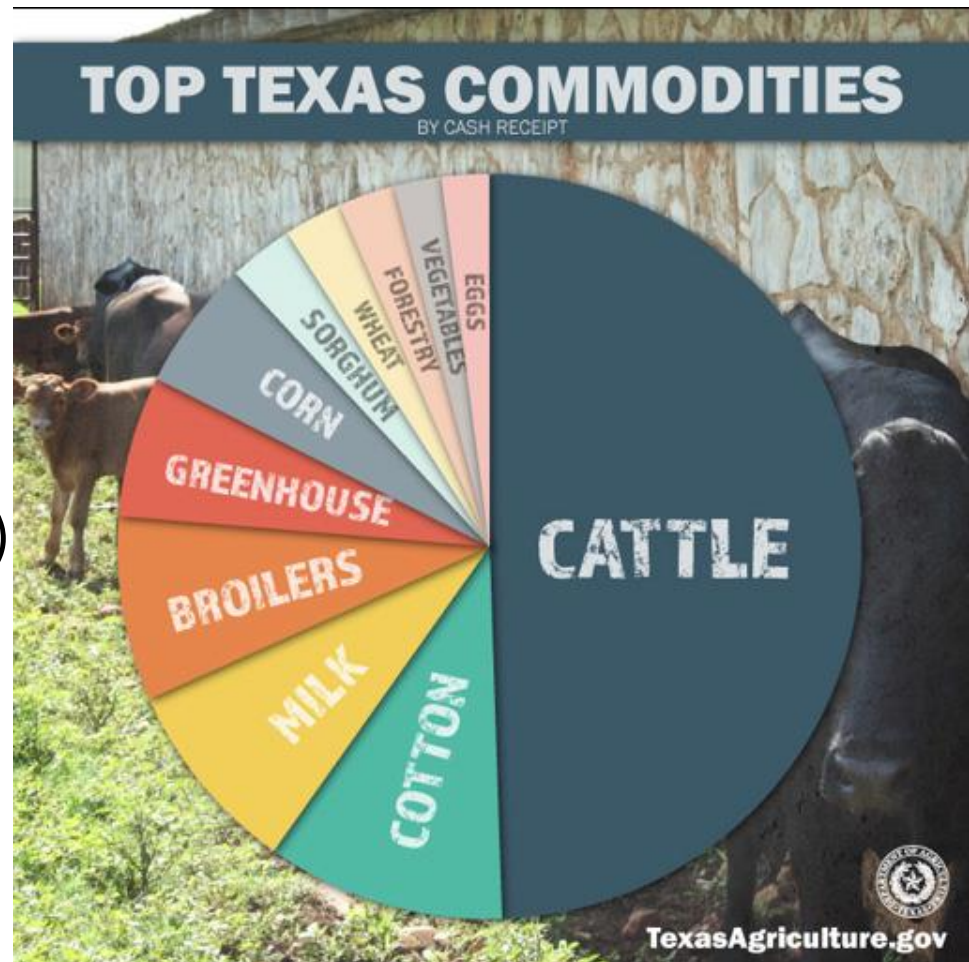


Texas Commodities

Top 10 Commodities in Terms of Cash Receipts

1. Cattle (\$10.5 billion)
2. Cotton (\$2.2 billion)
3. Milk (\$1.8 billion)
4. Broilers (\$1.7 billion)
5. Greenhouse & Nursery (\$1.3 billion)
6. Corn (\$1.2 billion)
7. Grain Sorghum (\$594 million)
8. Wheat (\$538 million)
9. Forestry (\$520 million)
10. Vegetables (\$439 million)
11. Eggs (\$439 million)



Texas Winter Wheat







- Planted and sprouts in fall
- Becomes dormant in winter
- Grows again in spring
- Harvested in early summer
- About 6 million acres planted each year

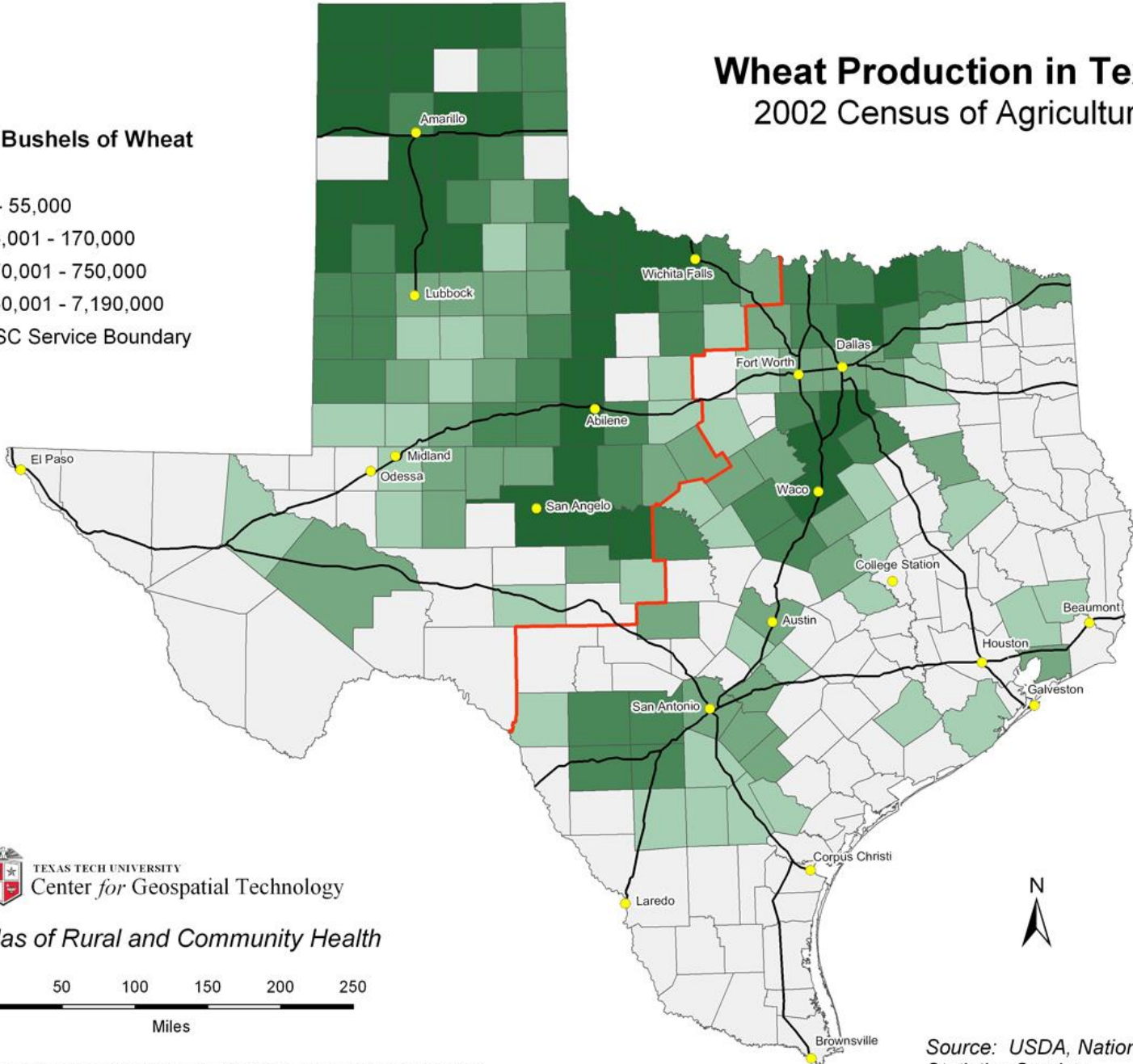


Wheat Production in Texas

2002 Census of Agriculture

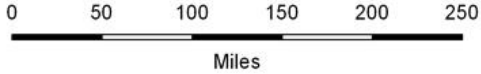
Total Bushels of Wheat

-  0
-  1 - 55,000
-  55,001 - 170,000
-  170,001 - 750,000
-  750,001 - 7,190,000
-  HSC Service Boundary



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Wheat

- There are 6 classes of wheat grown in the US
 - Hard Red Winter
 - Hard Red Spring
 - Soft Red Winter
 - Soft White
 - Hard White
 - Durum

Wheat

- Wheat grown in Texas:
 - Hard Red Winter Wheat
 - Soft Red Winter Wheat
- Hard Red Winter Wheat is used for yeast bread, hard rolls and bagels
- Soft Red Winter Wheat is used for flat breads, cakes, pastries and crackers
- Produced and sold in “bushels”

1 Bushel of Wheat

- Weighs 60 pounds
- Yields about 42 pounds of flour
- Makes 90 one-pound loaves of whole wheat bread
- Fills 53 boxes of cereal
- Makes 72 pounds of flour tortillas
- Makes about 42 pounds of pasta or 210 servings of spaghetti

Uses for Wheat

- Straw Particle board (wood) – used in kitchen cabinets
- Paper
- Hair Conditioners
- Adhesive on postage stamps
- Medical swabs
- Charcoal
- Biodegradable plastic cleaning utensils





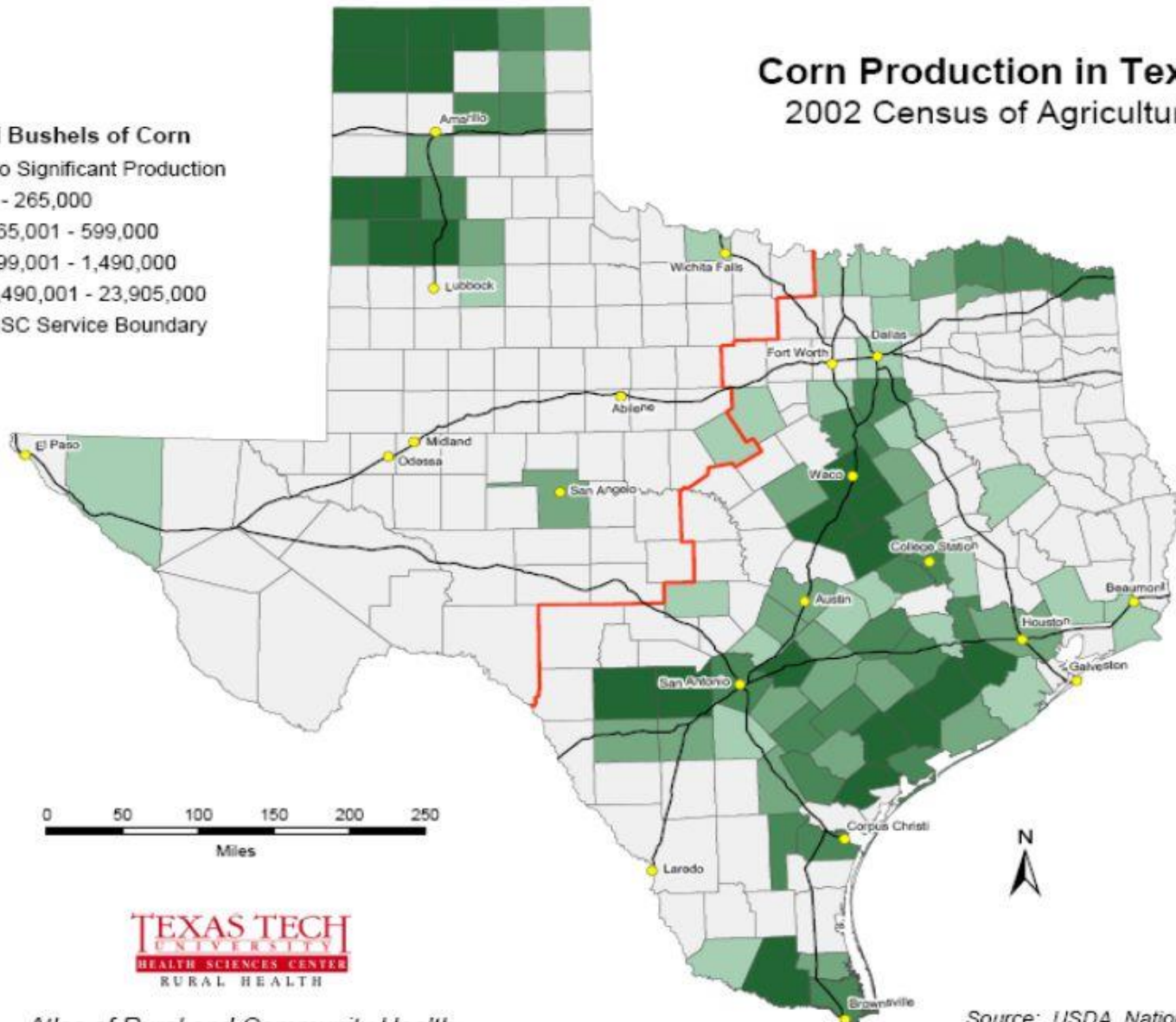


Corn

- Irrigated corn makes up 65-70% of state's corn production
- 40% of total corn acres in Texas are irrigated
- In 2017, Texas corn growers:
 - Planted almost 2.24 million acres
 - Yielded an average of 140 bushels per acre
 - Produced more than 314 million bushels of corn
- One bushel of corn = 56 pounds

Corn Production in Texas 2002 Census of Agriculture

- Total Bushels of Corn**
- No Significant Production
 - 1 - 265,000
 - 265,001 - 599,000
 - 599,001 - 1,490,000
 - 1,490,001 - 23,905,000
- ~ HSC Service Boundary



0 50 100 150 200 250
Miles

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RURAL HEALTH

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Source: USDA, National Agricultural
Statistics Service

Uses for Corn

- Over 4,200 purposes
 - 96% is fed to livestock
 - Nearly 4,000 grocery items contain corn ingredients
 - Biofuel such as ethanol
 - Corn oil
 - Starch
 - Sweeteners
 - Crayons







Peanuts

- Texas is the 2nd largest peanut producing state in the nation
- Peanuts are not nuts, they are legumes
- Peanut plant originated in South America
- Peanuts account for 2/3 of all snack nuts in the US

Peanuts

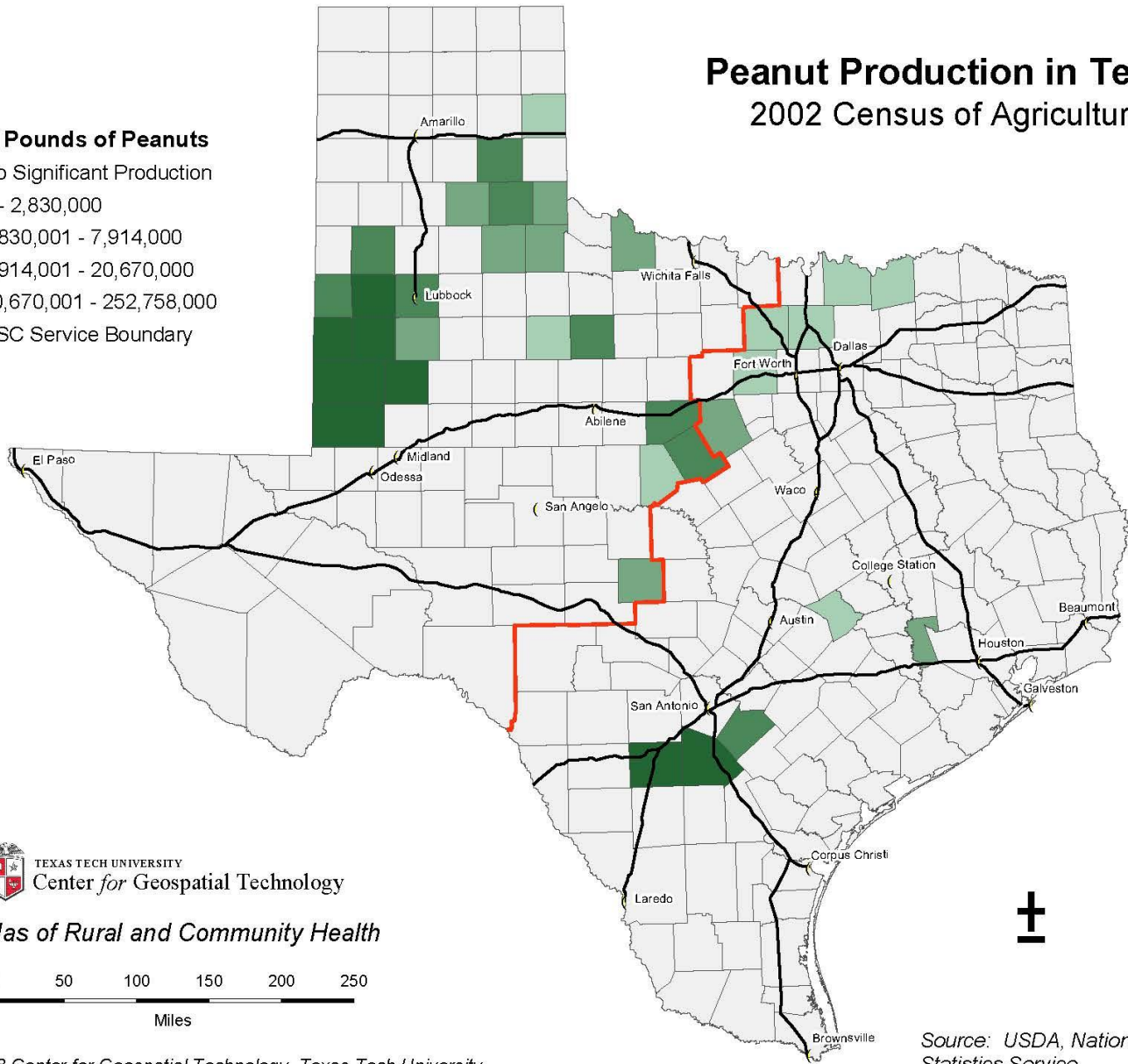
- One acre of peanuts will make 30,000 peanut butter sandwiches
- Peanut butter is the leading use of peanuts in the US
- It takes almost 850 peanuts to make an 18 ounce jar of peanut butter.=

Peanut Production in Texas

2002 Census of Agriculture

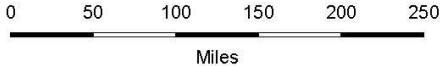
Total Pounds of Peanuts

-  No Significant Production
-  1 - 2,830,000
-  2,830,001 - 7,914,000
-  7,914,001 - 20,670,000
-  20,670,001 - 252,758,000
-  HSC Service Boundary



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Let's Practice

Question #1

What is this product?

1. Apricot
2. Peach
3. Nectarine
4. Plum

Varieties adapted to Texas include Blenheim, Chinese, Moorpark, and _____.

- A. Cavendish
- B. Red Globe
- C. Bryan
- D. Silver Queen



Question #2

What is this product?

1. Tomato
2. Pomegranate
3. Persimmon
4. Tomatillo



The acidity in unripe fruit is caused by _____.

- A. Oxygen
- B. Roots
- C. Rain
- D. Tannins

Question #3

What is this product?

1. Leg cutlet
2. Butterfly chop
3. Shoulder roast
4. Ribeye



On average, a market hog weighing 265 pounds will produce _____ servings of pork.

- A. 452
- B. 206
- C. 150
- D. 371

Question #4

What is this product?

1. Beet
2. Turnip
3. Radish
4. Carrot



Store this at a humidity level of 90-98%. Quality grades include:

- A. Colossal and Jumbo
- B. US Fancy and US No. 1
- C. Texas Choice and Texas Fancy
- D. US No. 1 and US No. 2

Question #5

What is this product?

1. Parsley
2. Rosemary
3. Dill
4. Basil



This grows best in well-drained soil with a pH of:

- A. 5.8-6.5
- B. 7.0-8.5
- C. 2.5-3.7
- D. 8.0-9.5

Question #6

What is this product?

1. Garlic
2. Celery
3. Turnip
4. Leek



This will wilt if stored in low humidity. This product is available from:

- A. February-May
- B. August-October
- C. December-May
- D. July-September

Question #7

What is this product?

1. Summer Squash
2. Watermelon
3. Winter Squash
4. Mango



For short term storage of 7 days or less, store this product in an area with _____ humidity.

- A. 85-95%
- B. 60-65%
- C. 40-50%
- D. 70-80%

Question #8

What is this product?

1. Prime Rib
2. Short Rib
3. Brisket
4. Skirt Steak



This cut of meat has a tremendous amount of _____ throughout.

- A. Tendons
- B. Marbling
- C. Connective tissue
- D. Bones

Question #9

What is this product?

1. Mango
2. Guava
3. Papaya
4. Mandarin



Well-tended plants should produce fruit within a year of planting, with mature plants capable of producing ___ pounds per year.

- A. 50 to 60
- B. 275 to 425
- C. 100 to 200
- D. 30 to 40

Question #10

What is this product?

1. Raspberry
2. Blueberry
3. Blackberry
4. Strawberry



The most serious fungal disease that causes large misshapen blooms with wrinkled petals is called:

- A. Orange Rust
- B. Witches Broom
- C. White Drupelet
- D. Iron Deficiency

How Did You Do?

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