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# COTTON BY-PRODUCTS IN TURKEY AND MARKETING

7 June, 2019



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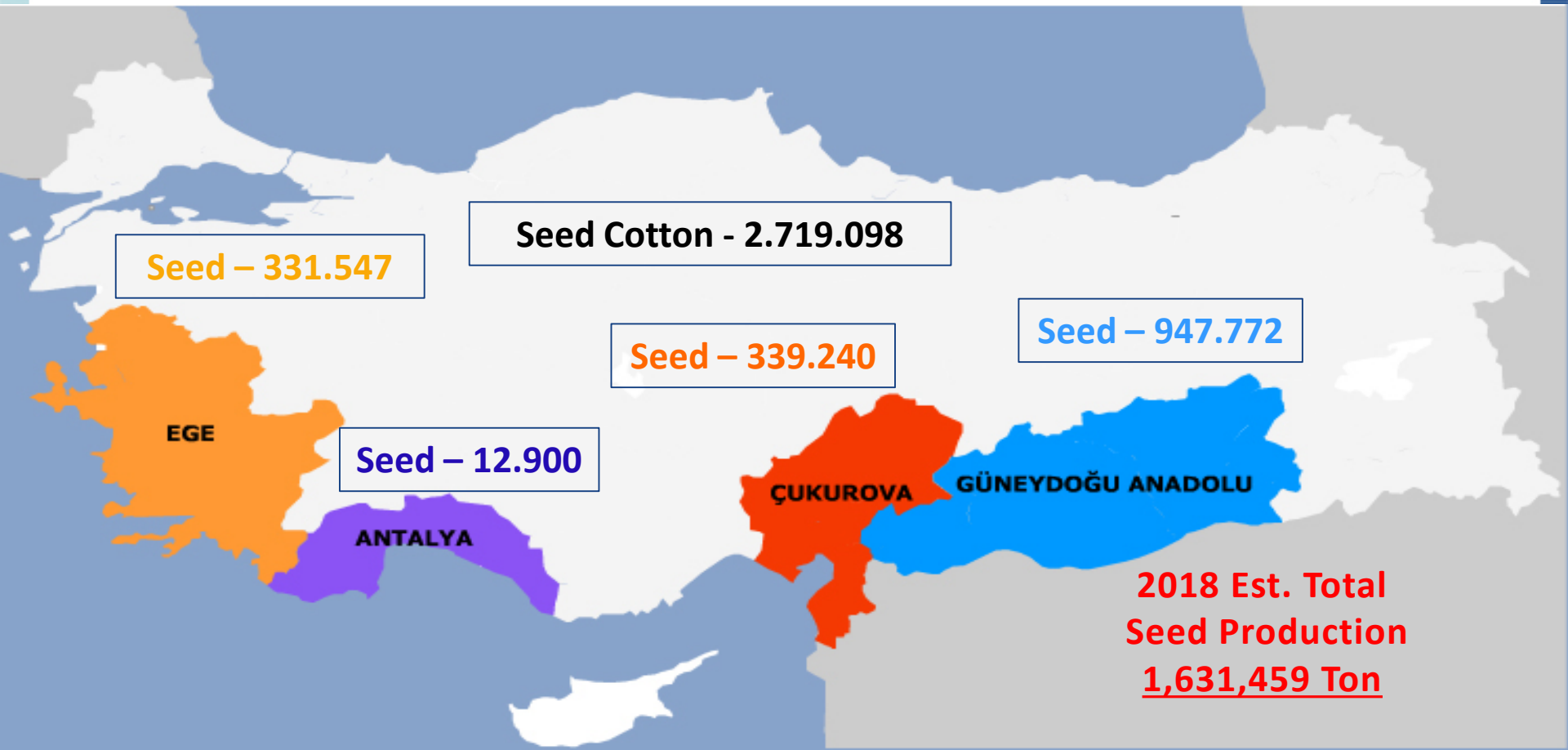
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# COTTON PRODUCTION REGIONS OF TURKEY

## Estimated Seed Cotton and Seed Quantity of Turkey (tons) 2018/19





10 % OF THE SEED TRANSFERRED TO

BREEDING COMPANIES

5 % OF THE SEED TRANSFERRED TO

CATTLE FEEDING AS WHOLE SEED


PAKMİL
ÇİĞİT TEMİZLEME TESİSİ

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# * Based on 100kgs (45,36lbs) Seed

| Oil Mill With Extraction | Oil Mill That Cuts Linters | Oil Mill That Does not Cut Linters |
|---|---|---|
| 58% Cake | 66% Cake | 80% Cake |
| 16% Oil | 12% Oil | 10% Oil |
| 5% Linters | 5%Linters | 10% Impurity |
| 10% Impurity | 10% Impurity | |
| 5%Hulls | 3% Moisture | |
| 6% Moisture | | |

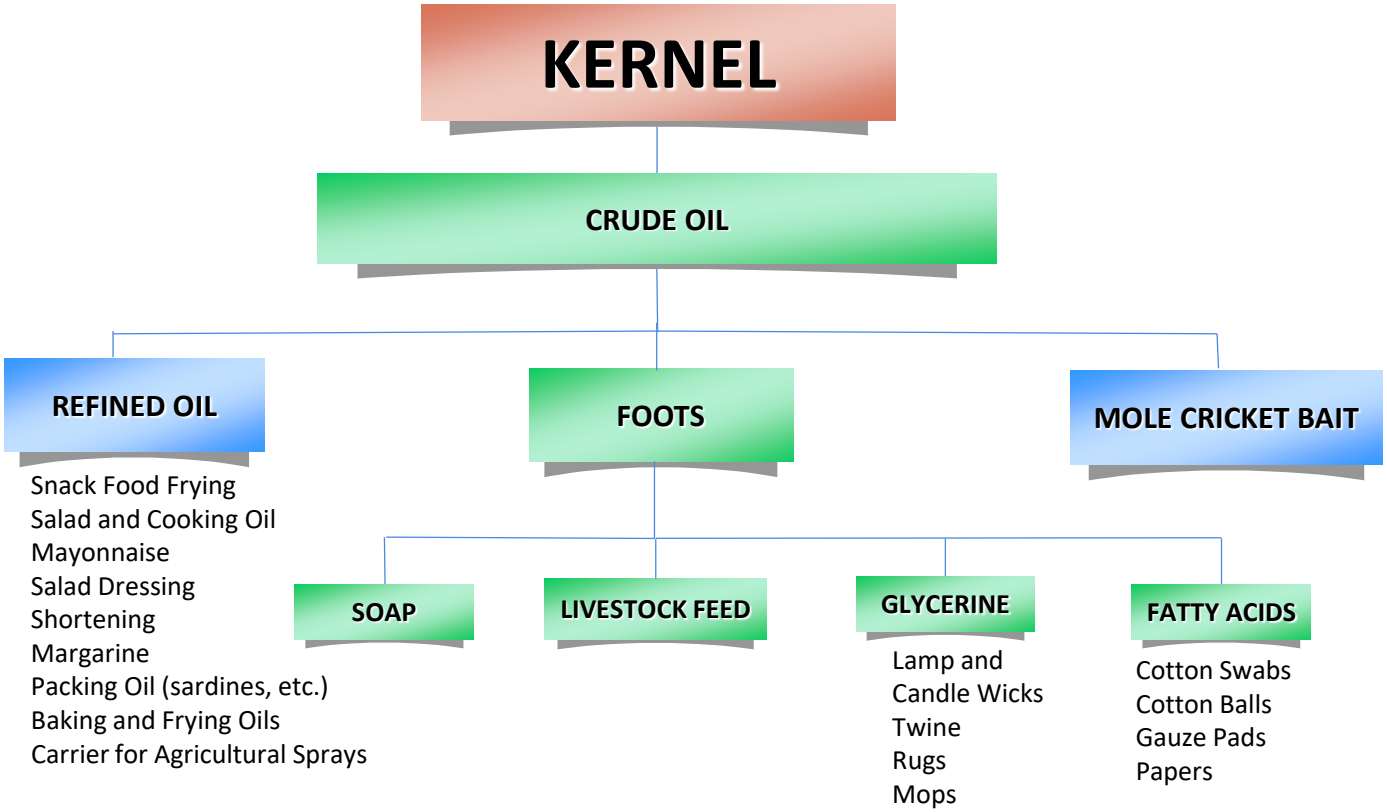


# CAKE

## FERTILIZER
Lawns
Mushrooms
Shrubs
Flowers
Fish Ponds

## FEED FOR
Beef Cattle
Dairy Cattle
Sheep and Goats
Horses and Mules
Poultry
Swine
Fish
Shrimp

## FISH BAIT


KERNEL
CRUDE OIL
REFINED OIL
Snack Food Frying
Salad and Cooking Oil
Mayonnaise
Salad Dressing
Shortening
Margarine
Packing Oil (sardines, etc.)
Baking and Frying Oils
Carrier for Agricultural Sprays
FOOTS
SOAP
LIVESTOCK FEED
GLYCERINE
Lamp and
Candle Wicks
Twine
Rugs
Mops
FATTY ACIDS
Cotton Swabs
Cotton Balls
Gauze Pads
Papers
MOLE CRICKET BAIT

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# LINTERS

## DISSOLVING PULP

### CELLULOSE NITRATE
- Plastics
- Dynamite
- Lacquers-Fingernail Polish
- Smokeless Gun Powder
- Solid Rocket Propellants

### VISCOSE

#### FOOD CASING
- Bologna
- Sausages
- Frankfurters

#### RAYON
- Air Horse Industrial Fabrics

### CELLULOSE ESTERS & ETHERS
- Lacquers
- Pharmaceutical Emulsions
- Hair Care Products
- Cosmetics
- Paint
- ToothPaste
- Ice Cream
- Salad Dressings

### CELLULOSE ACCETATE
- Plastics
- Films
- Yarns

## FELTS FOR
- Automotive Upholstery Pads
- Cushions
- Furniture Upholstery
- Comforters
- Mattresses

## YARNS
- Lamp and Candle Wicks
- Twine
- Rugs
- Mops

## ABSORBANT COTTON MEDICAL GRADE
- Cotton Swabs
- Cotton Balls
- Gauze Pads
- Papers

## FIBER PULP

### PAPERS
- Fine Writing Paper
- Filter Papers
- Document and Security Papers
- Currency
- Laminating Papers
- Sanitary Products
- Battery Separators

# Export Values of Cotton Linters

| YEARS | QUANTITY IN MTS | FOB VALUE IN USD | FOB VALUE IN EURO |
|---|---|---|---|
| 2012 | 49.400,16 | 22,526,619 | 17,350,537 |
| 2013 | 34.408,97 | 12,351,776 | 9,278,654 |
| 2014 | 22.448,43 | 7,918,332 | 5,895,435 |
| 2015 | 50.212,17 | 13,692,887 | 12,342,733 |
| 2016 | 23.881,09 | 12,045,067 | 11,061,517 |
| 2017 | 24.899,34 | 15,036,665 | 13,764,921 |
| 2018 | 21.203,88 | 8,776,233 | 7,383,265 |

# HULLS

- **FEED FOR**
  - BEEF CATTLE
  - DAIRY CATTLE
  - SHEEP AND GOATS
  - HORSES AND MULES
- **MULCH&SOIL CONDITIONER**
- **BRAN**
- **POULTRY LITTER**
- **OIL WELL DRILLING MUD**
- **FURFURAL**
  - SYNTHETIC RUBBER
  - PLASTICS
  - PETROLEUM REFINING

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# Biomass Project



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2008-2018

EMPLOYMENT RATE

| BEFORE | AFTER |
|---|---|
| 27,3% | 38,8% |

2008-2018

LABOR FORCE RATE

| BEFORE | AFTER |
|---|---|
| 31,8% | 47,8% |

2004-2011

PER CAPITA INCOME

| BEFORE | AFTER |
|---|---|
| 2.377 $ | 4.282 |

2000-2018

EMIGRATION DECREASED BY 35%

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# Thank You !

