

# Introduction to Commodity Feeds

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## Publication

<http://www.aces.edu/pubs/docs/A/ANR-1237/>



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## Why Use Commodities?

- ☞ Economics
  - \$\$\$\$
- ☞ Considerable savings on feed costs



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## Considerations

- ☞ 24-ton loads
  - Adequate turn-around
- ☞ Storage facility
  - Off-times
  - 14-foot eave height
  - 12-foot minimum width
- ☞ Proximity to production



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## Digestible Fiber Sources

- ☞ Soybean hulls
- ☞ Corn gluten feed
- ☞ Wheat midds
- ☞ Peanut skins
- ☞ Citrus pulp
- ☞ Brewer's grains



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## Soybean hulls

- ☞ Non-starch, high in digestible fiber
- ☞ Extremely effective supplement when fed at <1% of body weight
- ☞ Bloat potential at high levels
- ☞ 11 to 12% CP



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## Corn Gluten Feed

- ☞ >18%, as much as 24% CP
- ☞ Drying temperature is critical
  - Produced wet (40 to 50% water) then dried and pelleted



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## Wheat Midds

- ☞ Fine meal with low bulk density
- ☞ 17 to 18% CP
- ☞ 73 to 80% TDN
- ☞ Some founder potential



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## Peanut Skins

- ↳ Very low bulk density
- ↳ 18 to 20% fat
- ↳ 18 to 20% CP
- ↳ Physical properties (fluffy)



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## Citrus Pulp

- ☞ Good for brood cows
- ☞ Slow adapting by young calves
- ☞ 6 to 7% CP
- ☞ Seasonal



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## Brewer's grains

- ☞ 20 to 25% dry matter
- ☞ 70% TDN
- ☞ 25 to 30% CP
- ☞ Extremely palatable
- ☞ Storage/shelf life problems



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## Whole oilseeds

- ☞ Cottonseed
- ☞ Soybeans
- ☞ Peanuts



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# Cottonseed

- ☞ 24% CP
- ☞ 20% fat
  - Fat is the limiting factor; no more than 8% total fat in the diet
  - Generally 20% of total diet is maximum



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# Whole Soybeans

- ☞ 20% fat and 42% CP
- ☞ Need to be ground
  - Physical problems
- ☞ Contain urease
  - Do not feed in combination with urea-containing feeds



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# Others

- ☞ Grain screenings
  - 65 to 70% TDN
  - Weed seeds/mycotoxins
- ☞ Bread/pastries
  - 90% TDN
  - 10 to 15% CP
  - 68 to 90% DM



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# Others

- ☞ Candy
  - 90% TDN
  - <6% CP
  - Some high in fat (28%)



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## Brokers

- ☞ Agri-Commodities
  - 888-749-4303
- ☞ AL Co-op Bulk Division
  - 800-747-6843
- ☞ Grain Mart
  - 800-289-1602
- ☞ J&R Feed Service
  - 256-734-1582
- ☞ Zeeland Farms
  - 866-888-7082

