

By-Product Feeds

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Cost Savings

- ☞ 22-24 ton loads
- ☞ Purchase at off-times
- ☞ Be flexible



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Roughage Sources

- ☞ Gin Trash
- ☞ Cotton Mote
- ☞ Peanut Hulls



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Gin Trash

- ☞ 45 to 50% TDN
- ☞ 7 to 9% protein
- ☞ Extremely palatable



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Cotton Mote

- ☞ Similar nutrient content to gin trash
- ☞ Baled product
- ☞ For self-feeding better than gin trash



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Peanut Hulls

- ☞ 40 to 45% TDN
- ☞ 6 to 7% protein
- ☞ Use of pelleted peanut hulls
 - GA work
 - Recent AU work



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Digestible Fiber Sources

- ☞ Soybean hulls
- ☞ Peanut skins
- ☞ Citrus pulp
- ☞ Corn gluten feed
- ☞ Dried Distiller'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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Mixtures

- ☞ Soyhulls + Corn Gluten Feed
- ☞ A 50:50 mix gives you the best of both feeds rather than the worst of the two



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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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Dried Distiller's Grains with Solubles

- ☞ DDGS – S is important
- ☞ 87% TDN
- ☞ 30% CP
- ☞ 10% fat
- ☞ 3 pounds DDGS = 2 pounds corn and 1 pound of soybean meal



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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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The Bigger Picture

- ↳ Environmental Friendliness
- ↳ Landfill

