The 240+ column below shows actual feed mix by weight to mix 2,000 lbs. of feed for raising pigs for market. This chart was developed by an animal nutritionist at Spencer Ag for one specific farmer.

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| **Ingredient Detail (As Fed)** |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **|** | **Ingredient Name** | **50-80** | **80-120** | **120-160** | **160-200** | **200-240** | **240+** | **Paylean** |
|  | Corn Grain - Ground - Fine | 1,404.93 | 1,509.69 | 1,557.26 | 1,627.10 | 1,696.95 | 1,769.07 | 1,561.64 |
|  | Soybean Meal 46.5% | 524.54 | 420.97 | 385.26 | 316.21 | 247.17 | 180.70 | 384.85 |
|  | Terminal Base | 60.00 | 60.00 | 50.00 | 50.00 | 50.00 | 45.00 | 45.00 |
|  | Lysine Monohydrochloride | 3.49 | 3.22 | 2.52 | 2.35 | 2.17 | 2.22 | 3.35 |
|  | L-Threonine | 3.48 | 2.84 | 2.14 | 1.78 | 1.43 | 1.01 | 2.34 |
|  | Charger Zyme | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
|  | Methionine - DL | 1.57 | 1.27 | 0.82 | 0.55 | 0.29 |  | 0.81 |
|  | **Total** | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Nutrient Analysis(As Fed)** |  |  |  |  |  |  |  |
|  |  | **Item** |  | **50-80** | **80-120** | **120-160** | **160-200** | **200-240** | **240+** | **Paylean** |
| 0 | 2 | Protein | % | 18.32 | 16.28 | 15.53 | 14.18 | 12.82 | 11.52 | 15.57 |
| 1 | 41 | Fat | % | 3.43 | 3.45 | 3.44 | 3.45 | 3.45 | 3.47 | 3.46 |
| 2 | 407 | Lysine | % | 1.25 | 1.10 | 1.00 | 0.90 | 0.80 | 0.70 | 1.02 |
| 3 | 19 | Calcium | % | 0.76 | 0.75 | 0.64 | 0.63 | 0.62 | 0.55 | 0.58 |
| 4 | 20 | Phosphorus | % | 0.55 | 0.53 | 0.49 | 0.48 | 0.47 | 0.44 | 0.48 |
| 5 | 16 | Vitamin A | IU/lb | 3,030.00 | 3,030.00 | 2,525.00 | 2,525.00 | 2,525.00 | 2,272.50 | 2,272.50 |
| 6 | 17 | Vitamin D | IU/lb | 454.50 | 454.50 | 378.75 | 378.75 | 378.75 | 340.88 | 340.88 |
| 7 | 18 | Vitamin E | IU/lb | 12.39 | 12.34 | 10.30 | 10.26 | 10.23 | 9.18 | 9.29 |

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1. Predict what changes might be necessary for feeding a hog to be shown at the fair. Explain your changes.
2. Look up actual costs of ingredients and determine the overall cost of a ton of feed.