

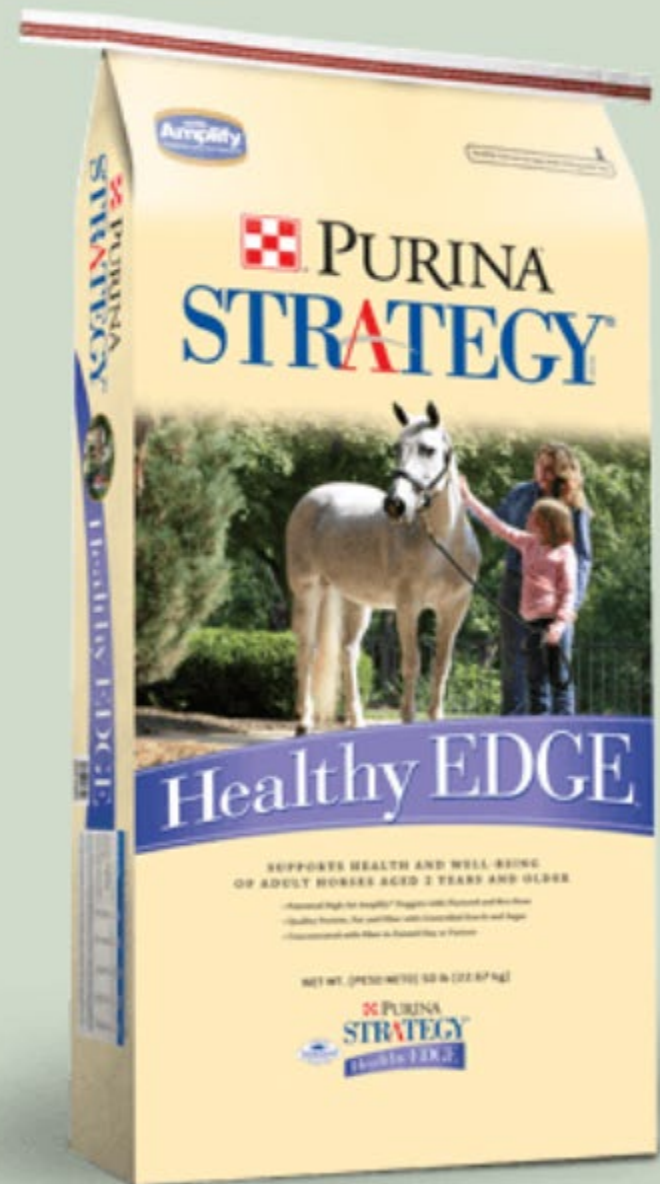
Inside The Bag

Understanding Feed
Ingredients

By:

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Ag/ Natural Resources
Baker County Extension



Product Name

Purpose Statement

Guaranteed Analysis

Ingredient Listing

Feeding Directions

Bag Weight

Feeding Directions (continued)

Caution Statement

**PURINA®
OMOLENE
#200™ PERFORMANCE**
PREMIUM QUALITY TEXTURIZED FEED FOR PERFORMANCE,
BREEDING AND GROWING HORSES

GUARANTEED ANALYSIS

Crude Protein (Min)	14.00 %
Lysine (Min)	0.70 %
Crude Fat (Min)	6.00 %
Crude Fiber (Max)	7.50 %
Acid Detergent Fiber (ADF) (Max)	10.00 %
Neutral Detergent Fiber (NDF) (Max)	23.00 %
Calcium (Ca) (Min)	0.80 %
Calcium (Ca) (Max)	1.30 %
Phosphorus (P) (Min)	0.50 %
Copper (Cu) (Min)	55.00 ppm
Selenium (Se) (Min)	0.60 ppm
Zinc (Zn) (Min)	220.00 ppm
Vitamin A (Min)	3000 IU/LB
Vitamin E (Min)	130 IU/LB

INGREDIENTS

Whole Oats, Cracked Corn, Barley, Wheat Middlings, Cane Molasses, Dehulled Soybean Meal, Soybean Oil, Stabilized Rice Bran, Calcium Carbonate, Vegetable Oil, Ground Corn, Flaxseed, Salt, Citric Acid, Phosphoric Acid, Magnesium Oxide, L-Lysine, Propionic Acid (a Preservative), Choline Chloride, Vitamin E Supplement, Dicalcium Phosphate, Monocalcium Phosphate, Rice Hulls, Lignin Sulfonate, Riboflavin Supplement, Ferrous Sulfate, Manganese Oxide, Zinc Oxide, Vitamin B-12 Supplement, Vitamin B3 Supplement, Copper Sulfate, Calcium Iodate, Calcium Paratungstate, Sodium Selenite, Cobalt Carbonate, Magnesium Oxide, Niacin Supplement, Preserved with Mixed Tocopherols (Form of Vitamin E)-Vitamin A Supplement, Ferrous Carbonate, Corn Oil, Colored with Iron Oxide, Rosemary Extract, DL-Methionine.

**352HMBL F 15
DIRECTIONS**

Feeding directions with hay or pasture. Start with the amounts given for the weight and lifestyle of the horse. After observing the horse for a period of time, the amount fed may be increased or

See Reverse Side For Directions for Use and Precautionary Statements



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MANUFACTURED BY
Purina Animal Nutrition LLC
1080 County Road F West, Shoreview, MN 55126-2910
Feed Questions? Please Call 1-800-227-8941
Net Weight 50 lb (22.67 kg)

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PURINA® OMOLENE #200™ PERFORMANCE
352H

Elements of a Feed Tag

Use lower feeding rate for moderate growth rate and the higher feeding rate for superior bone rapid growth rate.

For best feeding results:

1. Feed at regular times. Divide total daily feeding into at least two servings with three daily servings preferred.
2. Do not feed free-choice (all the horse wants).
3. Reduce and/or delay feeding a horse that is hot, excited or showing pain, fever or diarrhea. Consult your veterinarian if any problems arise. Prevent rapid eating.
4. Always feed a minimum of 1.0 to 1.2 lbs of body weight of good-quality, clean hay or pasture.
5. Have plenty of fresh, clean water available at all times, except immediately after intense physical activity.
6. Provide your horse with access to salt.
7. Maintain a regular deworming program, have the horse's teeth examined annually and consult your veterinarian on a regular basis.

If changing to OMOLENE #200® Performance horse feed:

1. Make the feed change gradually over a period of 7 to 10 days.
2. Changes in the rate of feeding should not exceed 1.0 lb per day for each horse.

CAUTION

Store in a dry, well-ventilated area protected from rodents and insects. Do not feed moldy or insect infested feed to animals as it may cause illness, performance loss or death.

USE ONLY AS DIRECTED

Must Have:

- Crude Protein (minimum)
- Crude Fat (minimum)
- Crude Fiber (maximum)
- Acid Detergent Fiber (maximum)
- Neutral Detergent Fiber (maximum)
- Calcium (minimum & maximum)
- Phosphorus (minimum)
- Copper (minimum) [if added]
- Selenium (minimum)
- Zinc (minimum)
- Vitamin A (if added) [if added]
- Sugar (maximum) & Starch (maximum) if carbohydrate claims made on packaging/marketing materials.

Ingredient List:

May include individual ingredients (oats, rice bran, etc.) and/or collective items (grain products or processed grain by products).
Must be ordered by total quantity in feed.

Feed Tag Requirements





Group Grain Products

Barley, corn, oats, wheat, rice, rye

Animal Protein Products

Fish meal, hydolyzed poultry feathers, meat meal, bone meal, dried whole milk, skimmed milk, dried whey

Plant Protein Products

Cottonseed meal, linseed meal, soybean meal, soybeans (heat Processed), yeast (cultured)

Processed Grain By-Products

Brewers dried grains, distillers dried grains, corn gluten feed, wheat millings, bran (rice and wheat)


Forage Products

Alfalfa Meal (dehydrated or sun-cured), grass hay (species name generally included), lespedeza meal

Roughage Products

Apple Products (dried), barley hulls, beet pulp (dried), hulls (oat, peanut, rice)

Bulk Feed Ingredients



Crude Protein

** Not the primary source of energy and not an indicator of feed quality **

Digestible protein is generally 2-5% less than crude protein. Added lysine helps make protein more available.

Quality Protein Sources:

- Soybean Meal
- Canola Meal
- Linseed Meal
- Alfalfa Meal
- Milk Protein





Good source of digestible energy, horses can tolerate at relatively high levels.

Most feeds contain 2-4% CFat, added fat may increase that to 6-12% CFat.

Make sure other nutrients are high since you will be feeding less

Added Fat Sources:

- Vegetable Oil
- Soybean Oil
- Corn Oil
- Ricebran
- Flax Oil
- Fish Oil

Crude Fat



Crude Fiber



Crude Fiber ↑

Digestible Energy ↓

Easiest indicator of energy

7% > CF Energy Dense
8-11% CF Moderate Energy
>12% Low Energy

Quality Fiber Sources:

- Dried Beet Pulp
- Soybean Hulls
- Dehydrated Alfalfa
- Good Quality Hays



ADF ↑



Digestibility
& Energy ↓

NDF ↑



Intake ↓

ADF & NDF






Calcium & Phosphorus



** Crucial Minerals on Feed Tag**

ABSOLUTELY NEED AT LEAST
1.1 Calcium : 1 Phosphorus
up to
2 Calcium : 1 Phosphorus
IN TOTAL RATION

Legumes provide more calcium than grasses, if feeding grass hay, find a feed with higher/added calcium.



Necessary in small amounts, added to concentrate feed to ensure adequate intake due to variability in forages.

Usual Daily Intake:

Copper: 10 ppm

Zinc: 40 ppm

Selenium: 0.1 ppm -
do not exceed .3 ppm

Copper, Selenium, & Zinc




Salt



- Typically concentrate feed should contain:
- 0.5% Salt for idle, non-working horses
 - 1.0% Salt for working horses

Adding Minerals/Salt to Diet:
Horse will generally only consume 1-3 ounces of free-choice salt a day. If salt source contains less than 2% trace minerals a horse is consuming less than 33% of its requirement. Balance with concentrate.



 **Only on tag if feed claims to be "low starch" or "low sugar". Some companies put on all the time.**

Corn, oats, barley and other grains will raise sugar/starch levels. Roughage like beet pulp, soybean hulls, etc will lower sugar/starch levels in feed.

Generally, only horses with metabolic problems require low starch... starch/sugar does not make horses "hot". Active horses need these carbs for normal muscle and brain function!

"Low" is relative to the amount fed per day

11% Starch x 3lbs feed = .33 lbs starch per day

10% Starch x 6lbs feed = .60 lbs starch per day

Sugar & Starch



Daily Requirements for Horses

Class	DE (Mcal/day)	CP (%)
Maintenance	17	10-12%
Growing	15-19	12-14%
Gestation	17-21	14-16%
Lactation	32	16%
Training	23-27	12-14%

ID	Composition	N	Range CP %	Range DE Mcal/lb	Average RFQ	Range RFQ
Alfalfa	Alfalfa	5	20 - 24	1.17 – 1.28	206	180 - 246
Costal	Costal bermudagrass	7	8 - 18	0.93 – 0.99	122	83 - 126
O&A	Orchardgrass & alfalfa	5	16 - 21	0.98 – 1.11	100	122 - 145
O,T&A	Orchardgrass, timothy and alfalfa	4	8 - 19	1.03 – 1.10	131	128 - 150
Orchard	Orchardgrass & alfalfa	3	15 - 19	1.04 – 1.12	137	143 - 195
T&A	Timothy and alfalfa	3	12 - 21	0.99 – 1.15	165	98 - 167
Timothy	Timothy	1	12	1.00	146	116
Brome	Brome	1	17	0.98	116	122
Peanut	Perennial peanut	3	15 - 16	1.05 – 1.23	138	143 - 175

Average Quality of Forages

Sample size (N) and ranges for crude protein (CP, %) and digestible energy (DE, Mcal/lb), and average and range for relative forage quality (RFQ) of hay samples taken from regional feed stores, on August 2018.

Conclusion

Quality over quantity.

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Every horse is unique, feed based on nutritional requirements of that horse!
Don't generalize your barn.

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Don't hop on the "trend wagon".
Research feeds and speak to a nutritionist or extension agent for help.

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