



Product Profile

12/12

PRODUCT DESCRIPTION

Original XP™ is a feed ingredient produced by fermenting selected liquid and cereal grain raw ingredients with bakers yeast (*Saccharomyces cerevisiae*) and drying the entire culture-media without destroying the yeast factors, B-vitamins and other nutritional fermentation products.

Official AAFCO Definition: 96.8

Yeast Culture* is the dried product composed of yeast and the media on which it was grown, dried in such a manner as to preserve the fermenting activity of the yeast (Adopted 1957).

*NOTE: No reference to media in main ingredient listing is required when Yeast Culture forms a component of a proprietary mixed feed.

IFN 7-05-520

Yeast culture dehydrated

Generally Recognized As Safe (GRAS) by the U.S. Food and Drug Administration

INGREDIENT COMPOSITION

Saccharomyces cerevisiae yeast grown on a media of ground yellow corn, hominy feed, corn gluten feed, wheat middlings, rye middlings, diastatic malt and corn syrup, and cane molasses.

GUARANTEED ANALYSIS

- Crude Protein, not less than 12.0 %
- Crude Fat, not less than 3.0 %
- Crude Fiber, not more than 6.5 %
- Typical Analysis (as-fed) See next page for complete nutrient profile

FEEDING DIRECTIONS

Original XP is a concentrated, low inclusion form of Diamond V Yeast Culture. It is a nutritional feed ingredient which is designed to be mixed or top-dressed with nutritionally balanced feeds for all classes of livestock, equine and pets. *General feeding recommendations are outlined on last page.*

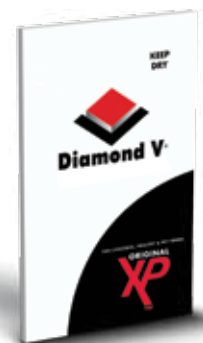
PHYSICAL CHARACTERISTICS & HANDLING

Original XP is a flowable, granular material that mixes well with typical feed ingredients. The nutritional and handling characteristics are not affected by standard manufacturing processing methods or environmental temperature changes.

- Bulk Density: 31 - 36 lb/ft³ (498 - 578 kg/m³)
- Shelf Life: 24 months from date of manufacture

ORDERING & TECHNICAL INFORMATION

- Product Number: 003 (50 lb)
- Packaging: Bags (50 lb and 25 kg), Totes (2000 lb, 825 kg or 1000 kg), and Bulk
- Customer Service: 866-680-7805
- Technical Information: call 800-373-7234 or email: diamondv@diamondv.com



TYPICAL ANALYSIS- AS FED BASIS

Proximate Analysis:			Minerals:		
Crude Protein	12.0 %		Calcium (Ca)	0.19 %	
Crude Fat	3.0 %		Chloride (Cl)	0.27 %	
Crude Fiber	6.5 %		Magnesium (Mg)	0.34 %	
Ash	6.5 %		Phosphorus (P)	0.78 %	
Moisture	11.0 %		Potassium (K)	1.42 %	
Amino Acids:			Sodium (Na)	0.24 %	
Arginine	0.80 %		Sulfur (S)	0.36 %	
Cystine	0.42 %			per lb	per kg
Glycine	0.71 %		Cobalt (Co)	Nd	Nd
Histidine	0.43 %		Copper (Cu)	2.72 mg	5.98 mg
Isoleucine	0.43 %		Iron (Fe)	56.23 mg	123.71 mg
Leucine	1.11 %		Manganese (Mn)	14.97 mg	32.93 mg
Lysine (total)	0.59 %		Selenium (Se)	0.15 mg	0.33 mg
Methionine	0.26 %		Zinc (Zn)	29.48 mg	64.86 mg
Phenylalanine	0.65 %		Energy:		
Proline	1.12 %		TDN	78 %	
Threonine	0.56 %		NEm	0.90 Mcal	1.98 Mcal
Tyrosine	0.47 %		NEg	0.57 Mcal	1.25 Mcal
Tryptophan	0.22 %		NEI	0.81 Mcal	1.79 Mcal
Valine	0.64 %		DE	1.56 Mcal	3.44 Mcal
Carbohydrates:			ME	1.38 Mcal	3.04 Mcal
Starch	26.20 %		Swine DE	1511.00 kcal	3332.00 kcal
Fructose	1.60 %		Swine ME	1478.00 kcal	3259.00 kcal
Glucose	2.10 %		Vitamins:		
Lactose	Nd		Biotin	0.15 mg	0.33 mg
Maltose	1.90 %		Choline	758.00 mg	1667.60 mg
Sucrose	Nd		Folic Acid	0.54 mg	1.19 mg
ADF	6.44 %		Niacin	49.22 mg	108.28 mg
NDF	19.98 %		Pantothenic Acid	10.26 mg	22.57 mg
Other:			Pyridoxine	5.05 mg	11.11 mg
Mono-unsaturated Fats	1.36 %		Riboflavin	4.23 mg	9.31 mg
Poly-unsaturated Fats	2.94 %		Thiamin	3.22 mg	7.08 mg
Saturated Fats	0.93 %		Vitamin A	32.00 IU	70.40 IU
Trans FA	0.04 %		Beta Carotene	381.00 IU	838.20 IU
Xanthophyll	2.00 mg/lb	4.40 mg/kg	Vitamin B12	0.157 mg	0.345 mg
Linoleic acid	2.83 %		Vitamin E	11.50 IU	25.30 IU
Bulk Density:			Packaging:		
	31 - 36 lbs/ft ³			bag - 50 lb & 25 kg	
	498 - 578 kg/m ³			totes - 825 kg, 1000 kg & 2000 lb	
Shelf Life:				bulk	
	24 months from date of manufacture.				

GENERAL FEEDING RECOMMENDATIONS

Original XP is a nutritional feed ingredient which should be mixed or top-dressed with nutritionally balanced feeds for all livestock and pets. General feeding recommendations are as follows:

RECOMMENDED FEEDING RATES PER DAY

DAIRY		SHEEP & GOATS	
Pre-weaning Calves	0.5 oz (14 g)/hd	Lambs/Kids	0.25 oz (7 g)/hd
Post-weaning Calves	1 oz (28 g)/hd	Mature Animals	0.5 oz (14 g)/hd
Calf Grain Starter*	40 lb/ton (20 kg/MT)	Show Feeds	0.5 oz (14 g)/hd
Non-Lactating Cows	2 oz (56 g)/hd		
Lactating Cows	2 oz (56 g)/hd		
BEEF		DEER (ELK = 2x DEER)	
Creep Fed Calves*	25 lb/ton (12.5 kg/MT)	Starter	0.5 oz (14 g)/hd
Starting/Receiving Cattle	2 oz (56 g)/hd	Adult	0.5 oz (14 g)/hd
Stocker Cattle	1 oz (28 g)/hd	Antler Growth/Rut	1 oz (28 g)/hd
Grower/Finisher Cattle	1 oz (28 g)/hd		
Breeding Animals	1 oz (28 g)/hd		
Show Feeds	2 oz (56 g)/hd		
SWINE*		OSTRICH & EMU	
Nursery Pigs		Breeder/Grower	1 oz (28 g)/hd
Starter	16 lb/ton (8 kg/MT)	Maintenance Birds	0.5 oz (14 g)/hd
Transition	8 lb/ton (4 kg/MT)		
Grower/Finisher Pigs	8 lb/ton (4 kg/MT)		
Gestating Sows	16 lb/ton (8 kg/MT)		
Lactating Sows	16 lb/ton (8 kg/MT)		
EQUINE		LLAMAS & ALPACAS	
Foals	0.5 oz (14 g)/hd	All Animals	1 oz (28 g)/hd
Mares/Stallions	2 oz (56 g)/hd		
Show/Performance Horses	2 oz (56 g)/hd		
Senior Horses	2 oz (56 g)/hd		
Draft Horses	4 oz (112 g)/hd		
		RABBITS & MINK*	
		All Animals	16 lb/ton (8 kg/MT)
		DOGS*	
		All Life Stages	16 lb/ton (8 kg/MT)
		CATS*	
		All Life Stages	16 lb/ton (8 kg/MT)

**Recommended inclusion rate per ton of complete finished product.*

If you would like more information, please contact your local Diamond V representative or visit www.diamondv.com.

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