



## 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%
- » Ash, 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.*

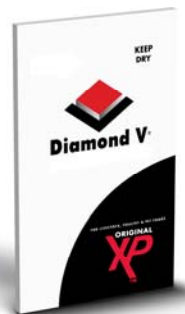
## PHYSICAL CHARACTERISTICS & HANDLING

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/ft<sup>3</sup> (498-578 kg/m<sup>3</sup>)
- » 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](mailto:diamondv@diamondv.com)



838 1<sup>st</sup> St NW, Cedar Rapids, Iowa 52407  
Tel: 800-373-7234 Fax: 319-366-6333  
[www.diamondv.com](http://www.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	%	
<b>Amino Acids:</b>				<b>Energy:</b>			
Arginine	0.80	%		TDN	78	%	
Cystine	0.42	%		NEm	0.90	Mcal	1.98 Mcal
Glycine	0.71	%		NEg	0.57	Mcal	1.25 Mcal
Histidine	0.43	%		NEI	0.81	Mcal	1.79 Mcal
Isoleucine	0.43	%		DE	1.56	Mcal	3.44 Mcal
Leucine	1.11	%		ME	1.37	Mcal	3.02 Mcal
Lysine (total)	0.59	%		Swine DE	1511	kcal	3332 kcal
Methionine	0.26	%		Swine ME	1478	kcal	3259 kcal
Phenylalanine	0.65	%		<b>Vitamins:</b>			
Proline	1.12	%		<b>per lb</b>			
Threonine	0.56	%		<b>per kg</b>			
Tyrosine	0.47	%		Biotin	0.15	mg	0.33 mg
Tryptophan	0.22	%		Choline	758.00	mg	1667.60 mg
Valine	0.64	%		Folic Acid	0.54	mg	1.19 mg
<b>Carbohydrates:</b>				Niacin	49.22	mg	108.28 mg
Starch	26.20	%		Pantothenic Acid	10.26	mg	22.57 mg
Fructose	1.60	%		Pyridoxine	5.05	mg	11.11 mg
Glucose	2.10	%		Riboflavin	4.23	mg	9.31 mg
Lactose	Nd	%		Thiamin	3.22	mg	7.08 mg
Maltose	1.90	%		Vitamin A	32.00	IU	70.40 IU
Sucrose	Nd	%		Beta Carotene	381.00	IU	838.20 IU
ADF	6.44	%		Vitamin B12	0.157	mg	0.345 mg
NDF	19.98	%		Vitamin E	11.5	IU	25.30 IU
<b>Other:</b>				<b>Packaging:</b>			
Mono-unsaturated Fats	1.36	%		bags - 50 lb & 25 kg			
Poly-unsaturated Fats	2.94	%		totes - 825 kg, 1000 kg & 2000 lb			
Saturated Fats	0.93	%		bulk			
Trans FA	0.04	%					
Xanthophyll	2.00	mg/lb	4.40 mg/kg				
Linoleic acid	2.83	%					
<b>Bulk Density:</b>							
		31-36	lbs/ft <sup>3</sup>				
		498-578	kg/m <sup>3</sup>				
<b>Shelf Life:</b>							
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			
<b>DAIRY</b>		<b>SHEEP &amp; GOATS</b>	
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	<b>DEER (ELK = 2x DEER)</b>	
		Starter	0.5 oz (14 g)/hd
<b>BEEF</b>		Adult	0.5 oz (14 g)/hd
Creep Fed Calves*	25 lb/ton (12.5 kg/MT)	Antler Growth/Rut	1 oz (28 g)/hd
Starting/Receiving Cattle	2 oz (56 g)/hd		
Stocker Cattle	1 oz (28 g)/hd	<b>OSTRICH &amp; EMU</b>	
Grower/Finisher Cattle	1 oz (28 g)/hd	Breeder/Grower	1 oz (28 g)/hd
Breeding Animals	1 oz (28 g)/hd	Maintenance Birds	0.5 oz (14 g)/hd
Show Feeds	2 oz (56 g)/hd		
		<b>LLAMAS &amp; ALPACAS</b>	
<b>SWINE*</b>		All Animals	1 oz (28 g)/hd
Nursery Pigs	16 lb/ton (8 kg/MT)		
Grower/Finisher Pigs	8 lb/ton (4 kg/MT)	<b>RABBITS &amp; MINK*</b>	
Gestating Sows	16 lb/ton (8 kg/MT)	All Animals	16 lb/ton (8 kg/MT)
Lactating Sows	16 lb/ton (8 kg/MT)		
		<b>DOGS*</b>	
<b>EQUINE</b>		All Life Stages	16 lb/ton (8 kg/MT)
Foals	0.5 oz (14 g)/hd		
Mares/Stallions	2 oz (56 g)/hd	<b>CATS*</b>	
Show/Performance Horses	2 oz (56 g)/hd	All Life Stages	16 lb/ton (8 kg/MT)
Senior Horses	2 oz (56 g)/hd		
Draft Horses	4 oz (112 g)/hd		

*\*Recommended inclusion rate per ton of complete finished product.  
During times of stress, feeding rates should be doubled.*