

VENDOR

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

## Request for | Quotation

DNR80077

PAGE	
1	

ADDRESS CORRESPONDENCE TO ATTENTION OF:
BUYER 32
304-558-0492

**\*709005857** ZEIGLER BROS INC PO BOX 95 GARDNERS PA



**DIVISION OF NATURAL RESOURCES** PROCUREMENT OFFICE CAPITOL COMPLEX BUILDING 3, ROOM 630 CHARLESTON, WV 25305 304-558-3397

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DIVISION OF NATURAL RESOURCES
PROCUREMENT OFFICE
CAPITOL COMPLEX
BUILDING 3, ROOM 630
CHARLESTON, WV
25305 304-558-3397

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717-677-6181

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GARDNERS PA 17324

DIVISION OF NATURAL RESOURCES SHIP PROCUREMENT OFFICE CAPITOL COMPLEX BUILDING 3, ROOM 630 CHARLESTON, WV 25305 304-558-3397

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DIVISION OF NATURAL RESOURCES
PROCUREMENT OFFICE
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BUILDING 3, ROOM 630
CHARLESTON, WV
25305
304-558-3397

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### SECTION 1 FORMULATION SPECIFICATIONS FOR STARTER DIET

### Starter, No. 1, No.2 granules

1. Fish food shall be composed of the following items. The final production shall carry the following guaranteed analysis:

Crude protein, not less than 50% Fish Meal protein, no less than 33% Crude fat, not less than 17% Moisture, not more than 10.5.% at sack-off

- 2. Fish meal (not less than 50%<sub>1</sub>): Stabilized, maximum fat 12%, maximum moisture 10%, stored at the manufacturer=s plant no longer than 6 months as indicated by the Bill of Lading. Different meals may not be combined for use in the feed. Pepsin digestibility less than 92.5%. Maximum allowable salt content shall not exceed 5%.
  - A. Herring meal (minimum protein 67.5%)
    - B. Anchovy fish carcass meal (minimum protein 65%)
- 3. Wheat feed flour (12.3%): minimum protein 14%, maximum fiber 1.5%.
- 4. Soy Flour (15%): defatted minimum protein 48.5%, maximum fat 1% (flour must be adequately toasted with protein dispersability index of less than or equal to 20)
- 5. Dried blood four (10%): minimum protein 80%
- 6. Trace mineral premix No. 2 (see section 6 of specifications) -- 1#/ton
- 7. Vitamin premix (see Section 5) of specifications) -- 12#/ton
- 8. Choline chloride 50% -- 4.5#/ton
- 9. Ascorbic acid -- 1.5#/ton

- 10. Fish Oil (12%<sub>1</sub>): stabilized with BHA, BHT, or ethoxyquin less than 3% free fatty acids and not to be alkaline reprocessed.
- 11. Lignon sulphonate pellet binder (0-2%1) (e.g. Ameribond, Orzan, or equivalent).
- 1 Fish meal may be increased depending upon protein content but must provide not less than 33% fish protein. Quantity of added oil may be adjusted so that the finished feed shall contain not less than 17% crude fat. Wheat feed flour is to be adjusted to compensate for the above variations.

## SECTION 2 FORMULATION SPECIFICATIONS FOR GROWER DIET, GR6-30

No. 3 and No. 4 granules -- option diet for pellets

1 Fish food shall be composed of the following items. Final production shall carry the following guaranteed analysis:

Crude protein, not less than 43.5%
Fish meal protein, not less than 25%
Crude fat, not less than 12%
Crude fiber, not more than 4%
Moisture, not more than 10.5% at sack-off or delivery

- 2. Fish meal (no less than 35%<sub>1</sub>): stabilized, maximum fat 12%, maximum moisture, 10%, stored at the manufacturer=s plant no longer than 6 months as indicated by the bill of lading. Pepsin digestibility not less than 92.5%. Different meals may not be combined for use in the feed. Maximum allowable salt content shall not exceed 5%.
  - A. Herring meal (minimum protein 67.5%)
  - B. Anchovy fish carcass meal (minimum protein 65%)
  - C. Menhaden Fish carcass meal (minimum protein 60%)
- 3. Wheat standard middlings (18.7%<sub>1</sub>): minimum protein 15% maximum fiber 9.5 %.

- 4. Soybean meal (25%), solvent extracted and dehulled, minimum protein 47.5%. Cottonseed meal, prime quality, minimum protein 48%, solvent extracted and dehulled, not more than 0.04% free gossypol must be used to partially replace soybean meal for 10 to 15% of the total grower diet. No cottonseed meal to be used in broodstock diet.
- 5. Dried whey (5%) minimum protein 12%, maximum water 6%, maximum ash 10%, maximum salt 3%.
- 6. Brewers or torula dried yeast (2.5%) minimum protein 35%, maximum fiber 3%.
- 7. Ring dried blood meal (5%), minimum protein 80%.
- 8. Trace mineral premix (see Section 6 of specifications) -- 2#/ton
- 9. Sodium phosphate, monobasic, 21.8% P. -- 20#/ton
- 10. Vitamin premix (see Sections 5 and 7 specifications) -- 8#/ton.
- 11. Choline chloride 50% -- 3.5#/ton
- 12. Ascorbic acid -- 1.5#/ton
- 13. Fish Oil (7%<sub>1</sub>) stabilized with BHA, BHT, or ethoxyquin less than 3% free fatty acids and not to be alkaline reprocessed, minimum amount added.
- 14. Lignin sulphonate pellet binder (2%) (e.g. Ameribond, Orzan, or equivalent).

<sub>1</sub>Fish meal may be increased depending upon protein content but must provide not less than 25% fish protein. Quantity of added oil may be adjusted upward only so that finished feed shall contain not less than 12% crude fat. Wheat middlings to be adjusted to compensate for the above variations.

## SECTION 3 FORMULATE SPECIFICATIONS FOR GROWER DIET, GR7-30

## Option Diet for Pellet Size

1. Fish food shall be composed of the following items. Final product shall carry the following guaranteed analysis:

Crude protein, not less than 38.5%
Fish meal protein, not less than 17.5%
Crude fat, not less than 11%
Crude fiber, not more than 5%
Moisture, not more than 10.5% at sack-off delivery

- 2. Fish meal (not less than 25%): stabilized, maximum fat, 12% maximum moisture 10%, stored at the manufacturer=s plant no longer than 6 months as indicated by the Bill of Lading. Pepsin digestibility not less than 92.5%. Different meals may not be combined for use in the feed. Maximum allowable salt content shall not exceed 5%
  - A. Herring meal (minimum protein (67.5%)
  - B. Anchovy fish carcass meal (minimum protein 65%)
  - C. Menhaden fish carcass meal (minimum protein 60%)
- 3. Wheat standard middlings (31.2%): minimum protein 15%, maximum fiber 9.5%.
- 4. Soybean meal (15%): Solvent extracted and dehulled, minimum protein 47.5% or cottonseed meal, prime quality, minimum protein 48%, solvent extracted and dehulled, not more than 0.04% free gossypol.
- 5. Ring dried blood meal (10%): minimum protein 80%.
- 6. Trace mineral premix No. 2 (see Section 6 or specifications) -- 2#/ton
- 7. Sodium phosphate, monobasic 21.8% P. -- 20#/ton
- 8. Vitamin premix (see Section 5 and 7 specifications -- 8#/ton

- 9. Choline chloride, 50% -- 3.5#/ton
- 10. Ascorbic acid -- 1.5#/ton
- 11. Fish oil (10%<sub>1</sub>), stabilized with BHA, Bht, or ethoxyquin, less than 3% free fatty acid and not to be alkaline reprocessed, minimum amount added.
- 12. Lignin sulphonate pellet binder (2%) (e.g. Ameribond, Orzan, or equivalent)

<sub>1</sub>Fish meal may be increased depending upon protein content but must provide not less than 25% fish protein. Quantity of added oil may be adjusted upward only so that finished feed shall contain not less than 12% crude fat. Wheat middlings to be adjusted to compensate for the above variations.

## SECTION 4 SPECIFICATIONS FOR VITAMIN PREMIX

Vitamins must meet or exceed the following:

<u>Vitamins</u>	Guaranteed Potency /Pound of
	Premix (GMS unless otherwise listed)
D Calcium Pantothenate	12.0
Pyridoxine (Pyridoxine HCL)	3.5
Riboflavin	6.0
Niacinamide	25.0
Folic Acid	1.0
Thiamine (thiamine mononitrate)	4.0
Biotin	40.0 mg
Vitamin B12	2.5 mg
Menandione sodium bisulfite complex	1.25
Vitamin E (d or dl alpha tocopherol acetate)	40,000 iu
Vitamin D3, stabilized	50,000 iu
Vitamin A (vitamin A palmitate or acetate) stabilize	•

Choline chloride, ascorbic acid, and the vitamin premix are to be stored separately and never mixed one with another before being added to the feed mixture.

The certified vitamin premix is to be supplied by a recognized manufacturer and must show the date of preparation. The vitamin premix to be used is not to be held in storage longer than 4 months after date of preparation.

The vitamin premix is to be made with a wheat or soybean by-produce base. Rice hulls or oat feed are not acceptable.

## SECTION 5 SPECIFICATION FOR TRACE MINERAL PREMIX NO. 2

Mineral	Guaranteed Analysis of
	Element (g/lb.mineral mix)
Zinc sulfate (ZNSO - 84 g/lb mineral mix)	34
Manganous sulfate (MnS04 - 25 g/lb of mineral mix)	9.1
Cupric sulfate (CuS04 - 1.75 g/lb of mineral mix)	0.7
Potassium odate (k103-0.38 g/lb of mineral mix)	0.23

An inert carrier can be used to make up the mixture to the pound.

The mineral mixture is to be added at 1.0 pound per ton SD9 and 2.0 pounds per ton for GR6 and GR7.

### SECTION 6 SPECIAL FEEDS

- 1. Medicated feed composition shall be that specified in formulation with the addition of 2.5 gms of terramycin or oxytetracycline added to each pound of feed.
- 2. Vitamin boosted feed shall be that specified in Section 3 (Grower Diet) with the addition of 50% vitamin packet as specified in Section 5 (vitamin premix No. 3) with a stability agent to insure quality and freshness during long periods of storage.
- 3. A combination feed shall be that specified in Section 3 (Grower's Diet) with the addition of 2.5 gms of terramycin or oxytetracycline added to each pound of feed plus the addition of a 50 percent vitamin packet a specified in Section 5 (vitamin premix No. 3).
- 4. Medicated feed composition shall be that specified in Section 2 (GR6-30) and Romet specified in Section 7 #6.
- 5. Medicated feed composition shall be that specified in Section 3 (GR7-30) and Romet specified in Section 7 #6.

## SECTION 7 ADDITIONAL SPECIFICATIONS AND CONDITIONS

- 1. All feed supplied under this contract must meet the complete nutritional requirements of brook, brown, and rainbow trout without supplemental feeding of meat, enriched rations or vitamins. Feed must maintain a conversion of less than 1.7 for yearling trout under normal hatchery conditions.
- 2. Packed red blood cells, determined by microhaematrocrit, must maintain a range between 45 and 55% of total blood volume. Serum protein levels must range between 4.5 and 5% as determined by protein refractometer.
- 3. The State reserves the right to request approximate diet analysis inclusive of calcium and phosphorus on any lot of feed being sent to West Virginia hatcheries.

### Manufacturing Plant and Methods

- 4. Good Manufacturing Practices: The contractor's mill, equipment and manufacturing procedures must comply with the FDA's Good Manufacturing Practices prepared by Robert A. Wilcox, Grain Science and Industry, Kansas State University, Manhattan, Kansas.
- 5. Vitamin Premix Preparation and Blending: Premix shall be added at the rate of 8 pounds per ton Premix can be contained in the diet to a quantity of 4 percent of the total mix. The blend shall be added to the batch mixer midway in the loading of the feed ingredients.
- 6. Romet medicated feed to meet the following specifications:

Protein, %		Min.	38
Fat, %		Min.	12
Fiber, %		Max.	4
Moisture, %		Max.	12
Ash, %	Max	9.0	

Medication Formula: Palatability formula to contain 1.273 g/lb sulfadimethoxine (0.28%) and 0.254 g/lb ormetoprim (0.56%). Administered dosage at 1.5% body weight.

- 7. Grinding: Ingredients shall be carefully and thoroughly mixed and pulverized. The mixture to pass 100% through a U.S. screen size 20 and 90% through a US screen size 30. All other mixtures to pass 100% through a U.S. screen size 16 and 90% through a US screen size 20.
- 8. Pelleting (a) the feed mixture shall be processed into pellets, using live dry steam to produce the proper textured pellets. The pellets must be soft enough for the fish to take and retain, yet firm enough to hold together in packaging, transporting, storage and when placed in water. (b) If necessary a lignin binder, durabond or equal, may be used at a level not exceed 2% by substituting for an equivalent weight of middlings to aid in producing proper textured pellets.

Standard Pellet Sizes

3/32" diameter x 3/32" long 1/8" diameter x 1/8" long 5/32" diameter x 5/32" long 3/16" diameter x 3/16" long 1/4" diameter x 1/4" long

- c. No more than 1% of the pelleted feed shall be unusable dust or fines.
- 9. Granules: (a) Granules shall be made by cracking pellets, then screening out the granules to the sizes indicated. Starter No. 1, and No. 2 granules to be cracked by 1/8" diameter pellets. No. 3 and No. 4 granules to be cracked from 3/16" diameter pellets.

Granule Size Starter	To pass through	Standard Granules Size 595 microns	US Screen Size
	To pass over	429 microns	40
No. 1	To pass through	841 microns	20
	To pass over	595 microns	30
No. 2	To pass through	1.9 mm	16
	To pass over	841 microns	20
No. 3	To pass through	2.0 mm	10
	To pass over	1.19 mm	16
No. 4	To pass through	3.36 mm	6
	To pass over	2.0 mm	10

- (b) Starter, No. 1 and No. 2 granules shall be spray coated with not less than 6 percent oil as defined in Section 1. Prior to bagging, the feed must be rescreened through a coarse screen to remove lumps. The Starter, No. 1 and No. 2 granules which are not spray coated will not be accepted.
- (c) The granules shall be sized to contain 85% correct sized granules. Dust content (dust defined as particles passing through 595 micron screen) not to exceed 2% at the receiving hatchery.
- 10. Packaging: The feed shall be packed in 50-pounds branded plastic bags with 6 inches side gussets. Bags with similar stacking and leak-proof qualities may be substituted

### 11. Delivery:

- (a) The feed shall be furnished in 12,000 to 45,000 pound lots as requested by the Division of Natural Resources with deliveries to hatcheries located at Berkeley Springs, Petersburg, Franklin, Princeton, Elkins, Dorcas, and Marlinton, WV.
- (b) Prompt delivery and performance are of the essence of this contract. Seventy-two hour advance notice of delivery date is required. Delivery will be required within 21 calendar days of the ordering date. The contractor must arrange this shipment schedule to avoid deliveries on Saturday, Sunday, or State holidays. Shipments shall be scheduled to arrive no later than 2 PM Monday through Friday. Feed trucks arriving after 2 PM will not be unloaded until the following work day.
- (c) All delivery of fish food made under this contract shall be made only by authorized carriers or contractor-owned trucks holding permits or certification from appropriate regulatory bodies.
- (d) All feed shall be loaded on suitable trucks at the feed mill and delivered direct on the same trucks unless otherwise specified in the bidding schedule.
- (e) Only feed from the current quarterly production is to be delivered to the hatcheries. Feed stored from previous production will not be accepted.
- 12. Contamination: The ingredients and finished feeds shall be wholesome, clean materials free from filth, noxious chemicals and foreign materials

WV-36 REV. 10/81

## STATE OF WEST VIRGINIA **PURCHASING CONTINUATION SHEET**

BUYER: PAGE Req. or PO# 32 18 DNR80077

**VENDOR** 

Spending Unit:

D	Ν	R
	*****	

r	DNR -			
Item No:	Quantity	Description	Unit Price	Amount
	Pounds			<b>.</b>
1	2,000	Starter (No. 0), (Section 1)	.5618	1,123.60
2	5,000	Fine Fry (No. 1), (Section 1)	5618	<u>3809.00</u>
3	10,000	Coarse Fry (No. 2) (Section 2)	.4306	4,306,00
4	15,000	Small Fingerlings (No. 3) (Section 2)	.4306	6,459.00
5	26,000	Medium Fingerling (No. 4) (Section 2)	.4096	10,649,60
6	150,000	Large Fingerling (3/32", 1/8") GR6-30 (Section 2)	.4084	61,260.00
7	300,000	Yearling Trout (5/32", 3/16") GR7-30 (Section 3)	, 3464	103,900,00
8	400,000	Yearling Trout (Double Vitamin (Section 6 #3)	.4052	169,080,00
9	10,000	Broodstock (1/4") GR7-30 (Section 3)	,3464	3,464.00
10	2,000	Broodstock Double Vitamin (1/4") Section 6 #3)	.4052	810.40
11	5,000	Small Fingerling (No. 3) (Section 6 #1)	.4844	2,422.00
12	5,000	Medium Fingerling (No. 4) (Section 6 #1)	.4670	a,335.00
13	40,000	Large Fingerling Medicated TM GR6-30 (Section 6 #1)	.4656	18,634,00
14	40,000	Yearling Medicated TM GR7-30 (Section 6 #1)	,4016	16,004,00
15	40,000	Yearling Medicated (3/32") Romet GR6-30 (Section 6 #4)	10918	24,872,00
16	40,000	Yearling Medicated (5/32") Romet GR7-30 (Section 6 #5)	,5598	33,392,00
17	20,000	Large Fingerling (3/32", 1/8") GR6-30 Double Vitamin Slow Sinking	.4108	8,216.00
18	290,000	Yearling Trout (5/32", 316") GR7-30 Double Vitamin Slow Sinking	.4052	17,508.00
		TOTAL	4	55B, 314. 6°
		Minimum order 2,000 LBS per item		
OF THE STATE OF TH				

## AFFIDAVIT

### West Virginia Code §5A-3-10a states:

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

#### **DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

### **EXCEPTION:**

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

#### LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

#### CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit <a href="https://www.state.wv.us/admin/purchase/privacy">www.state.wv.us/admin/purchase/privacy</a> for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: Zeider Bros Inc.	
Authorized Signature: Swan Thompson	Date: 11-27-06