



 **ABK KELP**®

THE WORLD LEADER IN ABALONE FEED



by
AlgaMar®
Kelp for Health!

ABKELP® is a different concept in compound feed for growing abalone, is a balanced feed base on Seaweed Kelp or Giant Kelp *Macrocystis pyrifera*, which has a unique with water stability of more than 5 days in seawater and excellent attractability. We have several shapes, from small pellets for larval and baby abalone to flakes and bars for feeding juvenile and adult abalone in land bases farms and Sea Cultivation facilities.

The Benefits:

- ✓ Unique feed with Vegetable protein specially designed for herbivores like Abalone.
- ✓ Best palatability than any other feed. Abalone prefer always **ABKELP®** than any other feed, this means more eat, more weight gain.
- ✓ One of the outstanding special characteristic that **ABKELP®** has is the exceptional water stability of 4 to 7 days in seawater, **resulting in waste reduction and Profit increase.**
- ✓ The conversion rate averages from 1.2:1 to 1.9:1 depending on the formula used.

ABKELP® COMPOUND FEED FOR ABALONE FORMULATIONS	SIZE AVAILABILITY
<p style="text-align: center;">ABK-30H</p> <p>It is a feed with a maximum of 20% vegetable protein (100%) used in a wide range of temperatures maximum 27 degrees centigrade and can feed abalones from baby to market size.</p>	POWDER PELLET 1,2,3 FLAKES S,B. BARS S,M,L.
<p style="text-align: center;">ABK-30</p> <p>Special feed with a range of 25-30 % vegetable protein (100%), with great attractability and stability in sea water. Can be used from baby to market sizes abalone.</p>	POWDER PELLETS 1,2,3 FLAKES S,B.
<p style="text-align: center;">ABK-50</p> <p>With a maximum of 25% vegetable protein, the seaweed mix used allows a better preference of the abalone for the feed especially for tanks in land bases and maximum temperatures of 23 degrees centimeters.</p>	POWDER FLAKES S,B BARS, S,M,L.
<p style="text-align: center;">ABK-625</p> <p>Our original formula, a water stability of up to 7 days with great attractability, is designed for grow out on land or at sea for adult abalone. Its low protein of 15-18% allows the abalone to remain without losing weight. Keep the abalone very healthy.</p>	POWDER BARS S,M,L
<p style="text-align: center;">ABK-10 BUSTER</p> <p>Special feed with vegetable and animal protein mix (90/10), with a maximum of 30% protein, is a feed for juvenile (baby) stages to accelerate growth. It should not be used in temperatures above 22 degrees centigrade.</p>	POWDER Pellets 1,2,3 Flakes S,B
<p style="text-align: center;">ABK-22 BUSTER</p> <p>Special feed with vegetable and animal protein mix (80/20) with a maximum of 35% protein. It can be used in juvenile and adult abalone. Do not use in temperatures above 22 degrees centigrade. It offers a very fast growth.</p>	POWDER PELLETS 1,2,3 FLAKES S,B. BARS S,M.

PELLETS AND FLAKES: TYPE AND SIZES SPECIFICATION STANDAR ABKEPL® FOR BABY AND JUVENILE ABALONE

TYPE DESCRIPTION	SIZE (MM)
CRUMBS: CIRCUMFERENTIAL FORM, SIZE IS DIAMETER IN MILLIMETERS, IS LIKE A LITTLE NOT REGULAR BALLS.	0.5-1 Diameter
PELLETS: THE MEASUREMENT ARE EXPRESSED IN LENGTH, AVERAGE IS 2-4 MILLIMETERS BUT CAN MAKE AS LONG AS CUSTOMER REQUIRES. DIAMETER IS 1 MILLIMETERS ALL CASES.	Available sizes in Length: 1-2 Length 2-4 Length 4-6 Length Diameter 1/1.5 all cases
SMALL FLAKES: FLAKES MEANS A NAME OF THIS SHAPE, CAN BE CIRCULAR OR SQUARES AS WORK BETTER FOR CUSTOMER'S FARM SYSTEM. DIAMETER IS 5-7 MILLIMETERS AND THICKNESS IS 2 MILLIMETERS	5-7 Diameter 2 Thickness
BIG FLAKES: ONLY CIRCULAR FORM AVAILABLE, LITTLE MORE BIG THAN SMALL FLAKES, DIAMETER IS 10-12 MILLIMETERS AND THICKNESS IS 2 MILLIMETERS	10-12 Diameter 2 Thickness
FINE POWDER: VERY FINE POWDER TO FED BABY ABALONE.	200 mesh

BARS: TYPE AND SIZES SPECIFICATION STANDAR ABKELP® SERIES FOR JUVENILE AND ADULT ABALONE

TYPE	SIZE (MM)
BARS (SQUARES) S	Length 20, Wide 20 5 Thickness
BARS M	Length 50, wide 70 5 Thickness
BARS L	Length 100, wide 70 5 Thickness
BARS XL (SPECIAL ORDERS) SPECIAL ORDERS WILL HAVE AN EXTRA 20% OF THE REGULAR PRICE.	Length 330 wide 70 5 Thickness



NUTRITION FACTS:	ABK -30H	ABK -30	ABK -50	ABK-625	ABK -10 BUSTER	ABK -22 BUSTER
Moisture	8-12%	8-12%	8-12%	8-12%	8-12%	8-12%
Protein	18-20%	26-30%	21-25%	15-18	28-30%	32-35%
Fat	0.7-1.2%	1-3%	0.5-2%	0.5-2%	0.9-1.7	0.9-1.7
Carbohydrates	35-45%	30-40%	30-40%	40-50%	35-45%	35-45%
Calcium	1.5-2%	1-1.5%	1.5-2%	1.5-2%	1.5-2%	1.5-2%
Phosphorus	1-1.5%	0.5-1%	1-1.5%	0.5-1%	1-1.5%	1-1.5%
Fiber	3-5%	3-5%	3-5%	5-10%	3-5%	3-5%
Minerals (Ash)	15-20%	15-20%	18-22%	18-20%	15-20%	15-20%

Application and Dosage Recommendations: FEEDING METHODS

<p>ABKELP® For Land Bases Cultivation System</p> <p>Pellets and Flakes</p>	<ul style="list-style-type: none"> ✓ Feed the standard amount in shelter where abalones are gathering. ✓ Feed once a day every two days when water temperature is below 15 Celsius degrees and once a day every day when water temperature is above 16 Celsius degrees. ✓ Clean up left feed, abalone waste, etc. As perfect as possible. Specially need to be careful with water condition for feeding in high water temperature above 24 Celsius degrees. ✓ Also you can take the option to feed with only 1 % of the total weight of the abalone per cage or tank.
<p>ABKELP® For Sea Cultivation System</p> <p>Flakes and Bars</p>	<ul style="list-style-type: none"> ✓ Feed with the 1 % of the total weight of the abalone per cage or tank. ✓ Feed the total amount at one time every 5 days. Example: If you have 100 kilos of abalone, the 1 % is 1 kilo of feed, so you will need 5 kilos for 5 days to feed at one time.

FEEDING TIPS:

- ✓ DO NOT FEED FRESH SEAWEED AT THE SAME TIME WITH **ABKELP®**.
- ✓ This is a feed specially designed for feeding abalone in cultivation, cages and/or tanks.
- ✓ Feed directly in to the cage or tank.
- ✓ Clean up left feed, abalone waste, etc. As perfect as possible. Specially need to be careful with water condition for feeding in high water temperature above 24 Celsius degrees.
- ✓ Take care feeding with environmental changes like left feed, abalone waste, etc.

IMPORTANT CONSIDERATIONS:

To reduce or eliminate the surface tension of the feed in the tanks::

- 1) Disperse **ABKELP®** into container, 2) Add small amount of water
- 3) mix to hydrate the feed , 4) Feed into the tank.

STANDARD FEEDING AMOUNT:

- ✓ Feeding should be controlled so as to be left feed is minimum through the observation, because feeding amount is according to abalone's feeding condition and environment change.
- ✓ Feed twice amount in that case when feed once in two days.

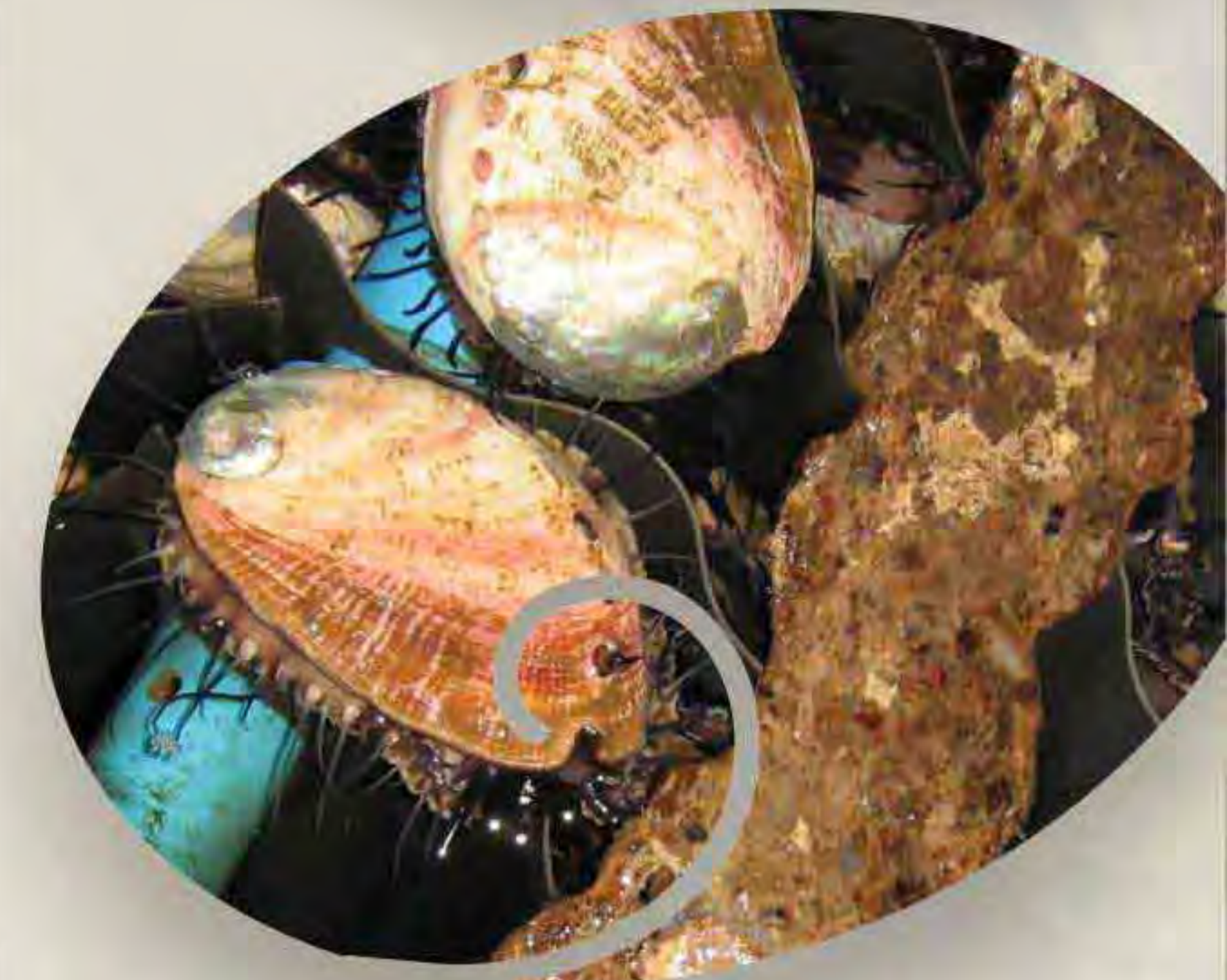
IMPORTANT CONSIDERATIONS:

To reduce or eliminate the surface tension of the feed in the tanks:

- 1) Disperse Abkelp into container, 2) Add small amount of water, 3) mix to hydrate the feed, 4) Feed into the tank.

IMPORTANT:

Based on the specific needs of each farm, we can design a special feed that suits your farming system, your country and the species of abalone that you use. So do not hesitate to contact us if you require a specialized formulation and type.



Standard feeding amount:

(g/1000pcs/1day)

Size	Weight for 1000pcs	Weight for 1pc	Tem. 6°C	8°C	10°C	12°C	14°C
4mm	12 g	0.012 g	0.1	0.2	0.4	0.4	0.6
6mm	20 g	0.02 g	0.15	0.5	0.7	1.1	1.3
8mm	60 g	0.06 g	0.2	0.8	1.3	2.0	2.2
10mm	110 g	0.11 g	0.4	1.3	2.1	3.0	3.8
15mm	300 g	0.3 g	0.9	2.8	4.7	6.6	8.5
20mm	1,100 g	1.1 g	1.7	5.1	8.4	11.8	15
25mm	2,000 g	2.0 g	2.6	7.9	13.2	18	24
30mm	3,800 g	3.8 g	3.8	11.3	19	26	34
35mm	6,000 g	6.0 g	5.1	15	26	36	46
40mm	9,500 g	9.5 g	6.7	20	34	47	60
45mm	16,000 g	16 g	8.5	26	43	60	77
50mm	20,000 g	20 g	10.5	32	53	74	95
55mm	27,000 g	27 g	12	37	61	94	102
60mm	35,000 g	35 g	14	44	72	111	121
65mm	42,000 g	42 g	16	52	85	131	142
70mm	53,000 g	53 g	18	60	99	152	166
75mm	65,000 g	65 g	21	69	114	174	189

Size	Weight for 1000pcs	Weight for 1pc	Tem 16°C	18°C	20°C	22°C	23°C above
4mm	12 g	0.012 g	0.8	0.9	1.0	1.1	1.2
6mm	20 g	0.02 g	1.7	1.9	2.3	2.4	2.5
8mm	60 g	0.06 g	2.8	3.5	4.1	4.4	4.6
10mm	110 g	0.11 g	4.6	5.5	6.3	7.1	7.6
15mm	300 g	0.3 g	10.4	12.3	14	16	17
20mm	1,100 g	1.1 g	18	22	25	29	30
25mm	2,000 g	2.0 g	29	34	39	45	47
30mm	3,800 g	3.8 g	42	49	57	64	68
35mm	6,000 g	6.0 g	57	67	77	87	93
40mm	9,500 g	9.5 g	74	87	101	115	121
45mm	16,000 g	16 g	94	116	128	145	153
50mm	20,000 g	20 g	116	137	158	178	189
55mm	27,000 g	27 g	127	166	190	210	222
60mm	35,000 g	35 g	145	189	217	231	241
65mm	42,000 g	42 g	178	222	260	275	288
70mm	53,000 g	53 g	206	256	297	310	336
75mm	65,000 g	65 g	236	294	340	352	384



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