



Southern Arizona Koi Association

Organized by those with the interest of raising and improving the quality of Nishiki Koi, and its culture. Promote better community and international relations for the better understanding of brotherhood among members through a common interest. To improve and promote the technology and education of Aquaculture

September 2017 Newsletter

PONDERING

Our Next SAKA Meeting:

September 23, 2017 10 AM

Martha & Dan Cover
2841 W Puccini
Tucson, AZ 85741

And subsequent gatherings:

October 28th at:

Bea & Todd Paulus'

November 10th—12th:

Koi Show!!

SAKA will reimburse a host up to \$50.00 for beverages and snacks served while holding a meeting. You will also be in the Annual Host Drawing for \$250 held at the Christmas Party each year.

August 26th Meeting Minutes:

The SAKA meeting opened at 10:20 AM on August 26th at the home of Debbie and Noel Shaw. 14 members attended, and I was pleased to meet Peng Yifan!

Many thanks to Debbie and Noel for sharing their house for this meeting. We enjoyed watching the tortoise eat the grass in the backyard, and Noel showed us some of the changes he recently made to the Koi pond in his backyard. I should have taken more pictures to share with you. He has some beautiful Koi! I am sure he is going to be submitting a few for the Koi Show judges in November!

First, the GOOD NEWS! As of Wednesday evening, September 6th, we have a judge! Larry Christensen from Oregon has agreed to join us for our Koi Show. I am exceedingly pleased and thankful to Larry for his support. I think he was feeling sorry for me! ☐ Next year, we will certainly not wait for so long to look for a show judge. Larry may be bringing along a Candidate Judge for additional training. We are happy to accommodate both of them!

Most of the discussion centered around the upcoming Koi Show. 340 letters were mailed out to businesses requesting donations. To date about 20 have been returned undeliverable. We will work through those and see if there is some other way to capture some additional attention. Brent reported that we have received several donations to date. And it includes the following as of Aug 29th:

Donations	
Keg	\$25 GC
Childrens' Museum	2 passes for entry for 4 people
BJs	\$25 GC
Golf and Stuff	4 mini golf passes
Mini Time Machine	Entry pass for 4
Botanical Gardens	Entry pass for 4
Gaslight Theater	2 Tickets
Aquatic Nutrition	Multiple bags of food

(continued...)

President	Todd Paulus SAKA_Todd@cox.net
Vice & Web Site	Dan Cover dan@sakoia.org
Secretary	Bea Paulus SAKA_Todd@cox.net
Treasurer	Martha Cover mardan79@msn.com
Newsletter Editor	Todd Paulus SAKA_Todd@cox.net
Koi Health Advisor	Noel Shaw koifixer@yahoo.com

Koi Meeting Minutes July 29, 2017 (continued)

Flandrau Planetarium	Entry pass for 4
Sparkle Cleaners	\$25 GC
Marksman Pistol Institute	Annual membership
Koi USA	2 annual subscriptions
Skate World	2000 entry tickets, 2 birthday certs
Camping World	Recliner
Noel & Debbie	Misc items
Desert Rainbow Koi Farm	Ammonia kits, fish nets

Vendor registration packets have also been sent out. Since the meeting I also released one to Massage Envy, who wants to setup a booth. Raffle Tickets will be mailed out about a month before the show. Martha agreed to provide transportation for the judge(s) during the show. Debbie and Noel indicated they would ask some

Advertise here— 1) join our club with a Commercial membership or 2) offer 10% discount to our members or 3) be a vendor at the show



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Westminster, CA 92683



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Quality Seasoned Firewood

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Cedar • Mesquite • Pinion • Pecan • Oak



Desert Rainbow Koi Farm L.L.C.

Tucson, AZ

Phone: (520) 378-3710
3828 Keeling Road, Haverford, AZ 85615
Curt & Lisa Ogren

other businesses they know for additional donations. John G is handling banners, water, layout. Alan has plans for preparing the water hydrant, and reported that the hoses are OK. Noel is handling auction supplies such as boxes, bags, rubber bands and oxygen.

Heather presented several ideas and thoughts about articles for the media, including one for KoiUSA Magazine. I think we all agreed that the primary goal is to gather more members, where possible. There was quite a bit of discussion about the importance of getting our SAKA message out to a larger audience. I want to pass the Newsletter to our former members, as well as the current ones. And I think we should put a sanitized version of the Newsletter on Facebook. I put a copy of the Koi Show poster on Facebook on August 30th and I have already received several responses from my friends in Japan! They had no idea that Americans know and enjoy Nishikigoi! The members suggested several places where some additional contact would be worth pursuing such as Japanese social clubs, PCC, Chamber of Commerce, as well as some restaurants.

We have enough people with trucks to pull trailers, as needed, and I can provide a truck, as well. Debbie will handle the computer at the show. The vent on the top of the trailer needs to be replaced, as reported by Dan. Karen reported that the artist is doing a terrific job putting together the trophies. They should all be ready by the end of September.

On a more local note, Dan noted that he wanted to close one of his ponds and could use some help capturing the Koi.

Pass out copies of the Koi Show Poster to anyone you think might be able to help broadcast the event! This year's event may be the best one yet! Thanks to all of you that have worked to help make it happen!

We had some discussion about ways to change and improve the SAKA meetings. I think the consensus was that we need to bring back a plan for an 'educational section' to enhance the meeting content. I will seek out some ideas and volunteers(!) to fulfill this requirement for our next meeting, if possible. It was also suggested that we schedule this portion of the meeting up front, so that members who want to participate in the education section only, can leave the meeting before we continue on with the business portion. So, this is what we will attempt to do. Thanks for all the input!

Finally, I would like to share a "Thank you!" to Vaquero Feed & Livestock Supply for their kind donation of Koi and Goldfish food. I have added their business card to the Newsletter, as well. Below here, and in closing, I have also reprinted the 3 brochures about the food products that they carry. You may recall the Dave & Debby have both recommended the "Ultra Balance" product for our Koi.



ULTRA BALANCE PREMIUM KOI diets are simply the best for optimum growth, health & performance of koi.

FEATURES

- **White Fish Meal** – High quality protein and essential amino acid source to maximize growth, performance and overall health.
- **Natural Color Enhancers**
 - **Shrimp Meal** – Source of Astaxanthin (reds).
 - **Spirulina** – A single most effective natural color source and a very rare source of GLA (Gamma Linolenic Acid), essential fatty acid.
 - **Marigold Extract** – Source of Xanthophyll (yellow/oranges).
- **Probiotics** – (Mannan Oligosaccharides & Dried Saccharomyces Cerevisiae) – Natural yeast cultures to stimulate overall immune function for improved disease resistance and improved digestibility.
- **Essential Amino Acids** – for optimum growth, health, & performance.
- **Yucca Extract** – Reduces ammonia excretion for improved water quality.
- **Stay C®** (Stabilized Vitamin C) – Maintains immune system for increased disease resistance.
- **Exclusive Vitamin & Mineral Premix** – Includes Vitamin A, D, E, K, B1, B2, B6, B12, Biotin, Choline & Folic Acid.
- **Organic Minerals** – (derived from plant proteins and yeast cultures) – 99% more available, improved digestibility for improved water quality.
- **No Artificial Coloring or Dyes.**



- **Nutritionally Balanced Complete Diets.**
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- **No other supplemental feeding required** when fed as directed.

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Growth Formula



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Medium Pellet
approx. 5 mm
(recommended for fish under 12")
Available in 20 oz, 5 lb, 22 lb, & 40 lb



Large Pellet
approx. 8 mm
(recommended for fish 12" & larger)
Available in 5 lb, 22 lb, & 40 lb

Optimum Growth – Feed an amount your fish will readily consume in 5 minutes, 3 to 5 times per day.
Staple – Feed an amount your fish will readily consume in 5 minutes, 2 to 3 times per day.

Guaranteed Analysis			
Crude Protein	not less than	35.00 PCT	Crude Fiber
Crude Fat	not less than	4.00 PCT	Ash
			not more than 4.00 PCT
			not more than 8.9 PCT

Ingredients
White Fish Meal, Wheat Flour, Ground Wheat, Corn Gluten Meal, Fish Oil, Shrimp Meal, Spirulina, Dried Saccharomyces cerevisiae, Mannan Oligosaccharides, Marigold Extract, Yucca Schidigera Extract and our Exclusive Vitamin and Mineral Premix
Go to www.koifood.com for complete ingredient list

Maintenance Formula



Water temperatures above 41°F (5°C)

A Year-Round Formula

Mature Fish (2 years and older) 64°F (18°C) and above – Feed an amount your fish will readily consume in 5 minutes, 2 to 4 times per day.
All Ages below 64°F (18°C) & overcrowded pond conditions – Feed an amount your fish will readily consume in 5 minutes, 1 to 2 times per day.

Guaranteed Analysis			
Crude Protein	not less than	30.00 PCT	Crude Fiber
Crude Fat	not less than	4.00 PCT	Ash
			not more than 4.00 PCT
			not more than 8.9 PCT

Ingredients
White Fish Meal, Wheat Flour, Ground Wheat, Wheat Germ Meal, Fish Oil, Shrimp Meal, Spirulina, Dried Saccharomyces cerevisiae, Mannan Oligosaccharides, Marigold Extract, Yucca Schidigera Extract and our Exclusive Vitamin and Mineral Premix
Go to www.koifood.com for complete ingredient list

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Our custom formulations are manufactured with low minimum order requirements in either bulk or sack. We offer pellet sizes for all stages of growth—from fry to production stage. Our knowledgeable staff is ready to answer your questions on fish nutrition.



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Star Milling Co., located in Perris, CA, is a family owned and operated full line feed manufacturer, manufacturing fish feeds for over 40 years. Star Milling Co. is certified as a BSE Free facility and by the American Feed Industry Association (AFIA) as a Safe Feed/Safe Food facility.

We pride ourselves in manufacturing quality feed and providing great customer service at the best possible price.



Contact your Sales Representative for more information at 800-733-6455 or email info@starmilling.com

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Aquaculture Feed

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Feeding Commercial and Pond Fish for Over 40 Years

Whether you are operating a commercial fish farm, or have a backyard pond or lake, Star Milling Co. has the products and resources you need to maintain a healthy and balanced diet for your fish.

Various nutrition profiles and different die sizes are available to accurately complement your feeding program. Contact your Sales Representative for more information.

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Star Milling Co. offers diets for a wide variety of fish.

Catfish • Tilapia • Trout • Bass
Sturgeon • Ornamental Pond Fish

Each diet provides:

- Amino acid balance for improved growth and feed conversion rates (FCR's)
- Exclusive vitamin and mineral premixes
- Added probiotics for improved immune function



Star Milling Co. Fingerling Diets

Star Milling Co. fingerling diets are formulated to promote fast and healthy growth. Available in sack or bulk.

General Pond Diets

Star Milling Co. offers diets that are formulated for the overall health, growth, and performance of a wide variety of pond fish species in both tank and earthen pond environments. These complete feeds are ideal for use in aquaponics systems and backyard ponds.



Trout & Bass Production Diets

Star Milling Co. Trout and Bass diets are complete balanced diets utilizing quality protein and energy sources to maximize the overall growth and feed conversion rates (FCRs). Custom formulations and added probiotics are available on request.

#7472 45% Trout & Bass Extruded

Guaranteed Analysis

Protein	not less than 45.00%	Fiber	not more than 1.25%
Fat	not less than 12.00%	Ash	not more than 9.90%

Available in the sizes - 3/32", 1/18", 5/32", 4 mm, 7/32"

*Minimum order is required

#7348 42% Trout & Bass Extruded

Guaranteed Analysis

Protein	not less than 42.00%	Fiber	not more than 1.50%
Fat	not less than 10.00%	Ash	not more than 11.00%

Available in the sizes - 3/32", 1/18", 5/32", 4 mm, 7/32"

*Minimum order is required

#7278 40% Trout & Bass Extruded

Guaranteed Analysis

Protein	not less than 40.00%	Fiber	not more than 1.70%
Fat	not less than 10.00%	Ash	not more than 6.70%

Available in the sizes - 3/32", 1/18", 5/32", 4 mm, 7/32"

*Minimum order may be required

Specialty Diets

Star Milling Co. offers a wide variety of other species diets. Diets are formulated utilizing quality protein and energy sources to maximize the overall growth, health and FCRs at the best possible price to the producer.

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Star Milling Co.

Star Milling Co., located in Ferris, CA, is a family owned and operated full line feed manufacturer, manufacturing fish feeds for over 30 years. Star Milling Co is certified as a BSE Free facility and by the American Feed Industry Association (AFIA) as a Safe Feed/Safe Food facility.

We pride ourselves in manufacturing quality feed and providing great customer service at the best possible price.

Diets are available in Sack or Bulk in various pellet sizes upon request. Custom formulations are available. Minimum order may be required.

General Feeding Guidelines

- Feed at a rate equal to 3 to 5% of live weight per feeding per day
- Do not feed more than fish will readily consume in 15 to 25 minutes
- Feed at or near the same place each day at approximately the same time per day
- To provide lessor aggressive fish greater opportunity to eat and to maintain a more uniform population size, distribute feed in several places around pond
- Water quality, temperature, stocking density, and activity level of fish should be considered prior to feeding
- Dissolved oxygen level should exceed 4ppm
- Do not overfeed

Contact your Sales Representative for more information at 800-733-6455 or email info@starmilling.com

Star Milling Co.

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Aquaxcel Starter & Fingerling Diets by Cargill

Star Milling Co. now offers Aquaxcel Micro Extruded Starter and Fingerling diets specifically formulated to provide the required protein and energy levels to initiate a fast healthy start for improved growth, size uniformity, improved feed conversions (FCRs) and reduced mortalities. Contact your Sales Representative for more detailed information for these diets.

Aquaxcel 5014

Guaranteed Analysis

Protein	not less than 50.00%	Fiber	not more than 3.00%
Fat	not less than 14.00%	Ash	not more than 10.00%

Available in - 3/4 mm, 6 mm, 8 mm, 1.5 mm, 2.2 mm"

*Minimum order may be required

Aquaxcel 4512

Guaranteed Analysis

Protein	not less than 45.00%	Fiber	not more than 3.00%
Fat	not less than 12.00%	Ash	not more than 10.00%

Available in - .6 mm", 8 mm", 1.5 mm, 2.2 mm"

*Minimum order may be required



Star Milling Co. Fingerling Diets

Star Milling Co. Fingerling Diets are formulated to promote a fast healthy growth.

#7318 40/10 Fingerling With BioMos®

Guaranteed Analysis

Protein	not less than 40.00%	Fiber	not more than 1.70%
Fat	not less than 10.00%	Ash	not more than 9.00%

Available in die size - 1/16" (1.7 mm)

#7038 37% Fingerling

Guaranteed Analysis

Protein	not less than 37.00%	Fiber	not more than 2.10%
Fat	not less than 10.00%	Ash	not more than 11.00%

Available in die size - 3/32", 1/8"

*Minimum order may be required

Catfish Grow & Production Diets

Star Milling Co. Catfish diets are formulated to ensure maximum potential in both growth and overall weight gain for production farming of Catfish in earthen pond environments. All diets are available with added Probiotics for increased immune system and overall improved health upon request.

#7148 36% Catfish Extruded

Guaranteed Analysis

Protein	not less than 36.00%	Fiber	not more than 4.40%
Fat	not less than 5.60%	Ash	not more than 7.80%

Available in Extruded die sizes - 1/32", 1/18", 5/32", 4 mm, 7/32"

*Minimum order may be required

#7108 32% Catfish Extruded

Guaranteed Analysis

Protein	not less than 32.00%	Fiber	not more than 4.00%
Fat	not less than 5.00%	Ash	not more than 8.50%

Available in Extruded die sizes - 1/8", 1/18", 5/32", 4 mm, 7/32"

*Minimum order may be required

#7111 32% Catfish Steam Pellets

Guaranteed Analysis

Protein	not less than 32.00%	Fiber	not more than 6.00%
Fat	not less than 4.00%	Ash	not more than 10.00%

Available in Steam Sink die size - 5/32" or #4 crumbles

*Minimum order may be required

#7158 28% Catfish Extruded Or Steam Sink

Guaranteed Analysis

Protein	not less than 32.00%	Fiber	not more than 6.00%
Fat	not less than 4.00%	Ash	not more than 10.00%

Available in Extruded die sizes - 1/8", 5/32", 4 mm, 7/32"

Available in Steam Sink die size - 5/32" or #4 crumbles

*Minimum order is required



Tilapia Production Diets

Star Milling Co. Tilapia diets include the essential fatty acids, vitamins and minerals to support rapid growth. All diets are available with added Probiotics for increased immune system and overall improved health upon request.

#7118 35% Hi-Production Tilapia Extruded

Guaranteed Analysis

Protein	not less than 35.00%	Fiber	not more than 4.00%
Fat	not less than 5.00%	Ash	not more than 8.90%

Available in die sizes - 1/32", 1/8", 5/32", 4 mm, 7/32"

*Minimum order may be required

#7458 32% Tilapia Extruded

Guaranteed Analysis

Protein	not less than 32.00%	Fiber	not more than 3.50%
Fat	not less than 3.50%	Ash	not more than 8.90%

Available in die sizes - 1/18", 5/32", 4 mm, 7/32"

*Minimum order is required



General Pond Diets

Star Milling Co. offers a wide selection of nutritionally balanced diets to fit just about everyone's needs. Contact your Sales Representative for more information.

#7508 35% Pond Diet Extruded

Guaranteed Analysis

Protein	not less than 35.00%	Fiber	not more than 4.90%
Fat	not less than 4.00%	Ash	not more than 8.00%

Available in die sizes - 1/18", 5/32", 4 mm, 7/32"

*Minimum order may be required

#7080 38% Koi & Goldfish Extruded

Guaranteed Analysis

Protein	not less than 38.00%	Fiber	not more than 5.70%
Fat	not less than 6.00%	Ash	not more than 8.90%

Available in die sizes - 1/18", 5/32", 4 mm, 7/32"

*Minimum order may be required

#7430 32% Minnow Mash

A supplemental growth and maintenance diet for Gambusia affinis and other smaller omnivorous fish in natural pond environments. This diet is available with added probiotics to ensure optimum health during times of stress such as water temperature fluctuation, harvesting, etc. upon request.

Guaranteed Analysis

Protein	not less than 32.00%	Fiber	not more than 6.00%
Fat	not less than 6.00%	Ash	not more than 8.60%

Available in Screen Sizes - #3 (Course), #6 (Fine)

*Minimum order may be required