

PKA® contains the strongest animal feed grade mineral acid available. A much lower addition rate is required to acidify drinking water to biologically effect pH of 3.0. The lower addition rate provides pH reduction with no bitter taste. Animals won't back off from PKA® treated water, so optimum water consumption is maintained.

Physical Description

Appearance: Dry, light blue granules
Odor: Slightly acidic
Solubility: Readily soluble in water

Ingredients

Specially formulated sodium hydrogen sulfate and proprietary ingredients.

Packaging

Packs: 40 x 454g (1 lb) packs per bucket with Re-closing lid
 Bulk: 18.16 Kg (40 lb) bulk bucket with scoop

Recommendations

A complete list of recommended uses can be found on the reverse side.

Mixing Instructions

Determining PKA® Dosage Rate

The amount of PKA required to reduce pH is directly related to the alkalinity of the water.

1. Test existing water alkalinity with alkalinity test strips or test kit.
2. Determine desired pH for biologically effective acidification or chlorine optimization.
3. Determine PKA dosage from PKA Recommended Usage Rate Chart below.
4. Add the appropriate amount of PKA to water, either directly or through a dosing meter.

Note: More or less PKA® may be needed to achieve desired pH.

PKA® APPLICATION PROCEDURE

Biologically Effective pH 3.0

1. Test the alkalinity of your water supply
2. Add the corresponding amount of pKa

Alkalinity (grams per 1000 liters)	PKA Dosage (grams per 1000 liters)
1000	2,130
900	1,930
800	1,730
700	1,530
600	1,330
500	1,130
400	930
300	730
200	530
100	330
0	130

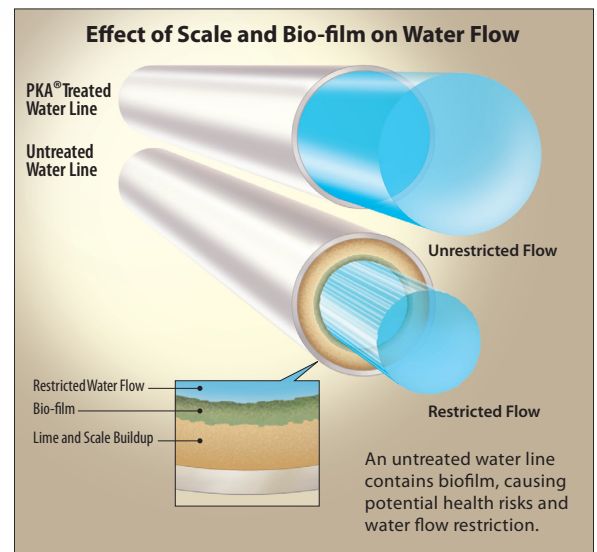
Figure 1.

Chlorine Optimization pH 4.5

1. Test the alkalinity of your water supply
2. Add the corresponding amount of pKa

Alkalinity (grams per 1000 liters)	PKA Dosage (grams per 1000 liters)
1000	2,015
900	1,815
800	1,615
700	1,415
600	1,215
500	1,015
400	815
300	615
200	415
100	215
0	15

Figure 2.



General Acidification Use with PKA®

* Please refer to the front side for determining the required dilution to achieve a pH of 3.0-4.5

Broilers

1. Mix PKA® into water system.*
2. Prime drinking system with PKA prior to placement
Administer continuously the first 7-10 days after placement.
3. Administer PKA 1-3 times per week and/or 48-72 hours before and after each feed change.
4. Administer PKA continuously the last 24-48 hours before catch.

Heat Stress or Other Stress Periods

1. Administer PKA® continuously during times of heat stress and reduced feed consumption.

Free Range / Chemical Free Programs

1. Administer PKA® continuously to reduce impact of free range/chemical-free programs.

Pullets and Broiler Breeders

Pullets

1. Mix PKA® into water system.*
2. Prime drinking system with PKA prior to placement.
Administer continuously the first 7-10 days after placement.
3. Administer PKA continuously every day off feed until movement (i.e. if birds are fed Monday-Wednesday-Friday, deliver PKA on Sunday-Tuesday-Thursday-Saturday.)

Broiler Breeder Hens

1. Mix PKA® into water system.*
2. Prime drinking system in breeder house with PKA prior to transfer. Administer continuously the first 7-10 days after transfer into breeder house.
3. Administer PKA continuously for 48 hours before and after any stress period such as vaccination, heat stress, etc.

Commercial Turkeys

1. Mix PKA® into water system.*
2. Prime drinking system with PKA prior to placement.
Administer continuously the first 14-21 days after placement.
3. Administer PKA 1-3 times per week and/or 48-72 hours before and after each feed change.
4. Prime drinking system with PKA prior to transfer to grow-out barn. Administer continuously the first 7 days after transfer.
5. Administer PKA continuously the last 24-48 hours before catch.

PKA® Certifications

- FDA approved for use in animal feed and water; classified GRAS (Generally Recognized as Safe).
- PKA is manufactured under GMPs (Good Manufacturing Practices)
- ISO 9001-2000 assuring consistent superior quality.
- Meets Food Chemicals Codex 4th Edition Standards assuring purity.
- NSF-National Sanitation Foundation approved for pH adjustment, corrosion and scale control. Kosher approved

Turkey Breeders

1. Mix PKA® into water system.*
2. Prime drinking system with PKA prior to placement.
Administer continuously the first 14-21 days after placement.
3. Administer PKA 1-3 times per week and/or 48-72 hours before and after each feed change.
4. Prime drinking system with PKA prior to transfer to breeder barn. Administer continuously the first 7 days after transfer.
5. Administer PKA 1-3 times per week and/or 48 hours before and after each feed change.

Commercial Egg Layers

Pullets

1. Mix PKA® into water system.*
2. Prime drinking system with PKA prior to placement.
Administer continuously the first 7-10 days after placement.
3. Administer PKA continuously for 48 hours before and after any stress period such as vaccination, heat stress, movement, etc.

Layers

1. Mix PKA® into water system.*
2. Prime drinking system in layer house with PKA prior to transfer. Administer continuously the first 7-10 days after transfer into layer house.
3. Administer PKA continuously for 48 hours before and after any stress period such as vaccination, heat stress, movement, etc.
4. Administer PKA continuously from 48 hours before beginning of molt until 7 days after birds resume full feeding.

Water Line Cleaning and Sanitation with PKA®

In-Between flocks

When cleaning between flocks, refer to Figure 1 (opposite page).

Note: Extremely "hard" water may require higher amounts of PKA to reach the desired pH level. Allow a minimum of 8 hours for cleaning and descaling, but do not exceed 24 hours with cleaning solution in water lines. Flush drinking system thoroughly with clean water.

During the flock

Administer PKA® (refer to Figure 2 opposite page) through drinking system to clean water lines after administering other water additives such as sugar, vitamins, or powdered milk.



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