

APPLICATIONS

Peragrain A is a food grade antimicrobial processing aid for use on grains (wheat, corn, and rice) during the tempering process, prior to milling. **Peragrain A** is approved for organic production under the National Organic Program (NOP, 7 CFR 205.605(b)(22)). The recommended treatment range is 2,000-6,000-ppm active peracetic acid (1.5-3.0-fl. Oz per 1-gallon water). The final treatment concentration will be dependent on organic loading, micro-loading, and desired microbial reduction. The maximum allowed concentration is 6,000-ppm peracetic acid per Food Contact Notification (FCN) 2168.

PROPERTIES

Peragrain A has a high oxidation potential and is very reactive to microorganisms and organic matter. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. The Peragrain A ultimately degrades to oxygen, water, and acetic acid.

CHEMICAL COMPOSITION

Peragrain A is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water.

PHYSICAL PROPERTIES

Peracetic acid (% wt.)	14.8-15.7
H ₂ O ₂ (% wt.)	21.5-22.5
Acetic acid (% wt.)	15.8-16.6
Density 20°C (68°F), (g/ml)	1.145 (9.55 lbs/gal)
pH (10% solution), 20°C	(68 °F) <1
Flash Point (DIN 51584)	> 98° C (207° F)
Freezing Point	< -28° C (-20° F)

APPEARANCE

Clear, colorless liquid (pungent vinegar-like odor).

STORAGE

The Peragrain A container must be stored in an upright position. The storage area should be well ventilated and **shaded from sunlight** as well as protected from sources of radiant heat. Contamination of the product, especially heavy metal ions and alkali, must be avoided.

SHELF LIFE

At least 1 year without notable losses of active oxygen if stored properly.

PACKAGING

5 gal (45 lb), 53 gal (500 lb), 300 gal (2841 lb)
Available in HDPE plastic pails, drums and totes.

TRANSPORT (DOT)

UN3109, Organic peroxide type F, liquid (<=25% peracetic acid with <=26% hydrogen peroxide), 5.2 (8).

Prod. #836 (V-1/3/2024)

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