

Stabilized potassium carbonate for dairy cows

K-Carb Plus is a granular anhydrous potassium carbonate treated with fatty acids in a proprietary process that limits water hydration and reduces chemical reactivity and corrosiveness. This offers the feed formulator a potassium-rich ingredient that stores well and is safer to use in feed preparation.

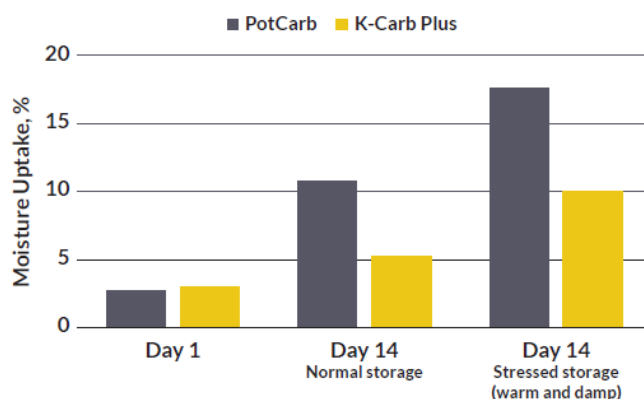


The value in K-Carb Plus is in its secure STORAGE and HANDLING

K-Carb Plus was tested in open containers in a warehouse environment and compared to common Pot Carb.

Whether warehouse conditions were either normal or hot and humid (stressed), K-Carb Plus took up less moisture.

Less moisture uptake = less heating and caking!



Features and Benefits:

- Superior shelf life, free-flowing, handles in bulk
- Low reactivity with acidic or basic dairy ingredients
- High level of buffered potassium (53% K)
- Aid in support of higher milk fat and heat stress resistance



Specifications

Ingredients:

Anhydrous potassium carbonate and hydrogenated soybean oil
(5% inclusion)

Guaranteed Analysis (as-fed):

Potassium.....53% Min

Fat.....5% Min

Packaging:

50-lb poly bags

2000-lb totes

Bulk

Physical Properties:

White granule: (< #20 to > #80)

Bulk Density: 81 lbs



Usage Guidelines

Mixing K-Carb Plus into Dairy Feeds:

Although K-Carb Plus has been fat-stabilized, judicious mixing procedures should still be followed to prevent unforeseen reactions with other ingredients.

Some points to consider include:

- **Be more vigilant in humid weather** (or when water activity may be elevated). A number of chemical compounds used as dairy ingredients are capable of taking on moisture with potential hydration heating.
- **Avoid excessively dense blends** (e.g. base mixes) in which potassium carbonate and other reactive ingredients will be in close physical proximity. It is often the combined effects of friction and hydration heating that lead to serious heating and agglomeration issues in mixes. Fine powders, liquid ingredients, bypass fats, sugars, mineral salts, or amino acids all may have negative physical or chemical impacts on mix stability.
- **Add Potassium Carbonate last** to a typical dairy mineral blend.

Nutritional Application and Health Benefits:

- **K-Carb Plus is a supplemental +DCAD K source** that cost-effectively elevates both ration K and DCAD. Forages will always be the most cost-effective source of DCAD potassium.
- **For rumen and blood buffering**, K-Carb Plus supplies positive DCAD at +1370 mEq/100 g of DM
- **To increase milk fat by up to 0.2%**, include at least 50 grams of K-Carb Plus potassium to inhibit production of trans-10 fatty acids that are associated with milk fat depression.
- **To improve performance during heat stress** due to K loss and metabolic stress, only DCAD potassium is effective. Ration K should be raised up to 1.8% to 2.0% of dry matter.

Barentz.

Always a better solution.

K-CARB-PLUS is manufactured by Barentz.

