

Productive Performance for your animals

10 times more bio-available than inorganic sources.

Chromium is an important ingredient of GTF (Glucose Tolerance Factor). It can improve the activity of trepsin, participates in the combination of proteins and the metabolism of nucleic acid and fats, reduces the total fat content.

Chromium is involved in carbohydrate, lipid, protein, and nucleic acid metabolism. Chromium is most often associated with carbohydrate metabolism, being necessary for optimal insulin function and glucose uptake by insulin-sensitive cells.

The role of Chromium in the glucose metabolism

Chromium is the key component of the chromium binding substance called Chromodulin. This oligopeptide, binds chromic ions in response insulin-mediated chromic ion influx, in order to become bound to an insulin stimulated insulin receptor which activates the receptor's tyrosine kinase activity. Resulting in the amplification mechanism of the insulin signaling.

Characteristics

- Chromium Glycinate
- Molecular weight: 274.20
(half the size of Chromium Picolinate)
- Chromium concentration 1%

Advantages:



Benefits in Cattle Milk production:

- Increase feed intake and milk production by reducing net lipolysis.
- Accelerates the recovery of body fat stores.
- Improves dietary energy intake in early lactation.



Benefits in Layer production:

- Increased plasma insulin and decreased corticosterone concentrations.
- Improves feed conversion.
- Decrease yolk cholesterol content without any adverse effect on egg quality.



Benefits in Broiler production:


- Improves feed conversion in broilers and decrease mortality.
- Improves carcass composition by increasing the weight of pectoral muscles and decrease the amount of fat and cholesterol.
- Reduces stress during heat stress situations, disease challenges and transport.

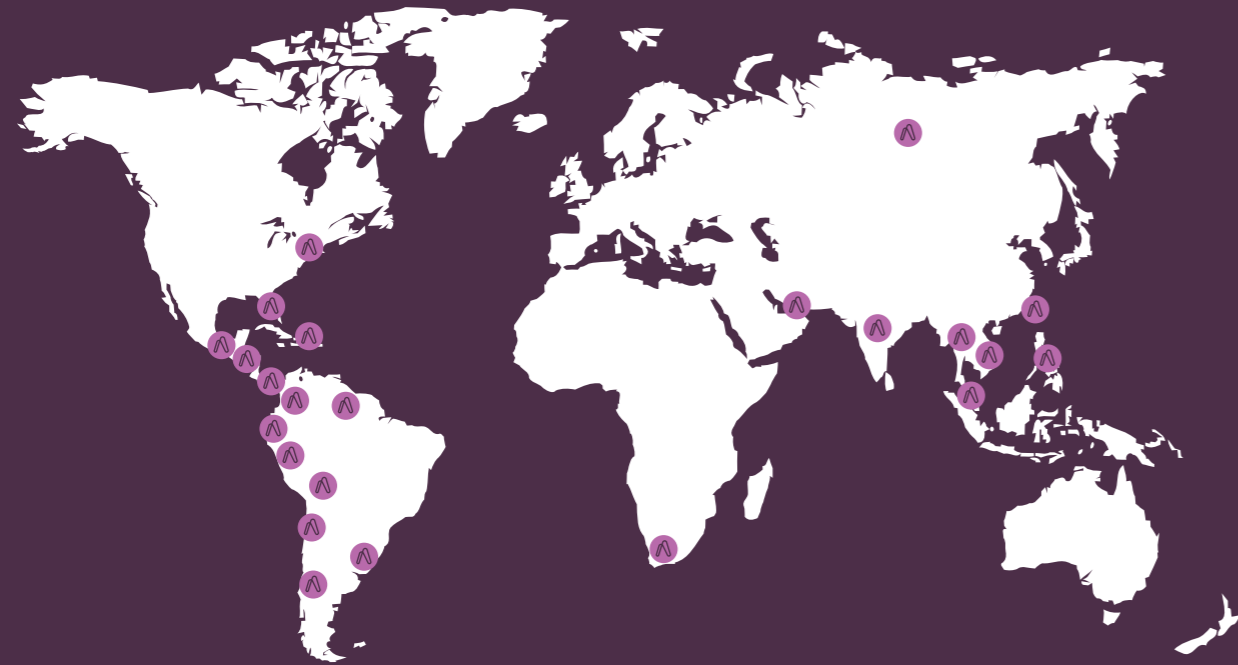


Benefits in Swine production:

- In pigs, increases loin eye area and decrease fat thickness. Increases the rate of lean and decrease the rate of fat deposition.
- Reduces stress during heat stress situations, disease challenges and transport.
- Improves reproduction in sows by increasing the number of pigs born alive per litter, by controlling serum glucose levels.
- In lactating sows, it improves de feed intake, thus increasing milk production.

ProkelCr on dorsal fat (10 rib) in pigs. 49 - 92 kg of BW (CIM-Premex SA- 2005)

	Cr Feed	Dorsal Fat Start (mm)	Dorsal Fat Finish (mm)
 ProkelCr	300 ppb	7.71	19.23 a
Control	0 ppb	7.15	23.42 b



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