

MICRONA™ Poultry Grit Beneficial Supplement

Calcium Carbonate

Why Calcium Grit?

According to A. Bruce Webster, Extension Poultry Scientist, University of Georgia, "The skeleton of a typical modern egg-laying breed of hen only contains about 20 grams of calcium, each egg represents 10% of the hen's total bodily calcium. While the hen's skeleton acts as a calcium reserve to supply the demands of egg production, this reserve is rapidly depleted in the absence of an abundant calcium source in the feed eaten by the bird."

Webster recommends feeding a prepared layer ration with calcium or at least providing a particulate source of calcium, e.g. suitably sized ground limestone or oyster shell, that the birds can eat selectively according to their needs.*

**Source: University of Georgia – Poultry Science Department - "Poultry Tips" September 2005.*

Features and Benefits of MICRONA™

- Pure calcium limestone
- Double benefit of calcium and grit
- Replacement for standard grit
- Increases coop hygiene
- Comes in pullet and hen size
- Non-caustic, will not harm or burn
- Offer free choice
- Animals can ingest without harmful effects
- Approved material under WSDA organic food program



Types of Grit

The grit fed to poultry does not need to be granite. Any small gravel will do. Commercially available grit can be granite (70-77% SiO₂), Quartzite (>90% SiO₂, a sandstone metamorphosed into Quartz), or natural, calcium carbonate grit (93%CaCo₃). Oyster shell is a calcium source and it is not interchangeable with grit and is too soft to do the job that grit does. .

MICRONA™ Poultry Grit however is BOTH calcium carbonate and a small gravel grit; it should be fed free choice to all adult poultry.

Coop Hygiene

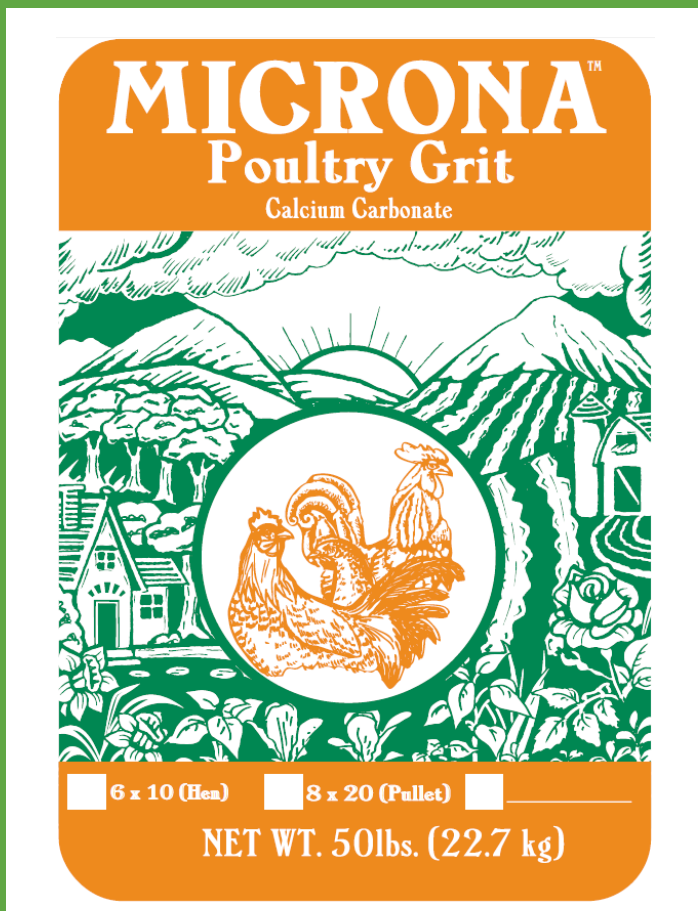
MICRONA™ Poultry Grit will help to keep your chicken coop hygienic and clean. After your routine clean-out of the chicken house and yard, spread MICRONA™ on the ground (about a handful per square foot), then spread your bedding material. The calcium that is in the MICRONA™ Poultry Grit will decrease acid buildup and sweeten the soil. Since MICRONA™ Poultry Grit has a high pH between 8.5 and 9.5 it can help prevent pathogens such as E coli and Salmonella. Research shows the growth and survival rate of these pathogens is reduced when the pH is over 8. Keeping the chicken area clean can minimize any potential health problems right from the start. An ounce of prevention is always worth more than a pound of cure. MICRONA™ Poultry Grit can help.

Multiple Benefits, Reduce Cost

MICRONA Poultry Grit doubles as a calcium source and a grit. It also benefits the coop with acid neutralization. MICRONA goes to work doubling the producer's benefit and saving cost.



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Ingredients: Ground Limestone

Words of Caution

Grit should be offered free choice.

All calcium grits (including crushed limestone) should not be added to a chicken's diet until they start laying or are near laying age. Too much calcium given to developing birds can be harmful to the bird's kidneys.

Never feed a grit consisting of dolomite to laying hens, because the magnesium in dolomite reduces egg production.



Notes:

MICRONA™ Poultry Grit is an approved material under the WSDA organic food program.



A Division of Columbia River Carbonates
300 N Pekin Rd., Woodland, WA 98674

(360) 225-6505

MICRONAag.com

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