PROTOCOLS FOR USING PENEGETIC K IN DAIRY BARNS

Penergetic k may be used wet or dry – if there are animals already in place the best option (for environmental/health reasons) is to apply dry.

Using Penergetic k in Stalls in a Tie Stall or Free Stall Barn

(Such as a milking cow barn)

Step 1: in order to increase the volume of product being spread and thereby make it easier to spread a small quantity in a stall mix penergetic k with an "absorbent and non-slip" material. Recommended rate 2 kg of penergetic k per 25 kg of "absorbent, non-slip material"

Dehydrated lime is less desirable for this purpose as it is dusty (and also tends to fill the grooves of a grooved flooring (which can end up being hazardous for cows). There are a variety of other commercially available products that penergetic k can be mixed with (and which are less expensive) including: magnesium, bentonite, stone dust or fine sawdust may be used.

Step 2: If bedding is to be applied in the stalls, apply penergetic k (as part of the absorbent/non-slip – penergetic k mixture) at a rate of 5 grams per cow.

Step 3: Apply in the stalls either every day at a rate of 1 gram of penergetic k per cow (or if applied weekly at 5 grams per cow per week). When penergetic k is mixed with another commercial product, the application rate of the other product can be reduced.

Note: in the case of cows exhibiting signs of mastitis apply more frequently (e.g. daily) and at a higher rate (3 - 5 grams per day) per effected cow – this has proven to be a very effective means of addressing environmental mastitis.

Using Penergetic k in an Open Barn on Bedding Pack

(Example: such as a barn that may be used for dry cows, heifers or calves)

Step 1: same as above - mix penergetic k at a rate of 2 kg penergetic k to 25 kg of selected "absorbent or non-slip material"

STEP 2: First application, apply on floor before bedding is installed at a rate of 5.0 grams per m^2. (= 4.0 grams per sq. yd)

STEP 3: Subsequent application(s) - Apply on bedding at a rate of 1 gram per cow per day

[Note: Should there be a desire to minimize the amount of work (labour = expenses), apply penergetic k (combined with other absorbent/non-slip material) so that the penergetic g is applied at a rate of 5 grams per LSU per week (+/- 2 grams depending on condition of bedding] << so as low as 3 g per livestock unit (LSU) or as high as 7 g per LSU >>