



USES OF BENTONITE GRANULES AS FILLER IN AGRO CHEMICALS

Blank Clay Granules: These are black (Roasted) granules made of Bentonite clay. Due to its under mentioned characteristic they are widely used as carrier in formulation of pesticides, herbicides, fungicides, bio-pesticides, Plant Growth Promoters and Bio-fertilizers.

- 1) Granules are mfg. in four major sizes 8-10, 10-20, 12-25, 16-35 ASTM.
- 2) They are bio degradable they break down into small particles slowly in the fields when it comes in contact of water.
- 3) Have a high liquid holding capacity. It remains free flowing after absorbing 15 to 22 % liquid.
- 4) It also acts as a preservative of active ingredients. It saves the technical ingredients from the direct ultraviolet rays of sun. It does not react with the technical material because it is inert.
- 5) It is in the form of granules so it's easy to apply in the field in wind condition and also on the standing crop. It can be mixed with Fertilizers OR seed before sowing.
- 6) Due to its hardness and high absorbent capacity while formulation it doesn't stick to the wall of blender/mixture or form cakes.
- 7) It is made of natural mineral clay so it is non-hazardous and non-alkaline material. Hence it doesn't contaminate the technical material formulated on it.
- 8) After it comes in contact of water it releases the active ingredients slowly over a long period of time hence reducing the chances of wash out in high rain or water logging condition.
- 9) As the raw clay used to make blank granules is soft by nature hence make the land softer and moist.
- 10) It is best cost effective filler material with wide uses & benefits. Due to huge production capacity it is readily available round the year.
- 11) As it is roasted at 700 degree temperature, material becomes inert & sterile which is preferable for Microbial products as it prevents the chances of contamination and increases the shelf life.

