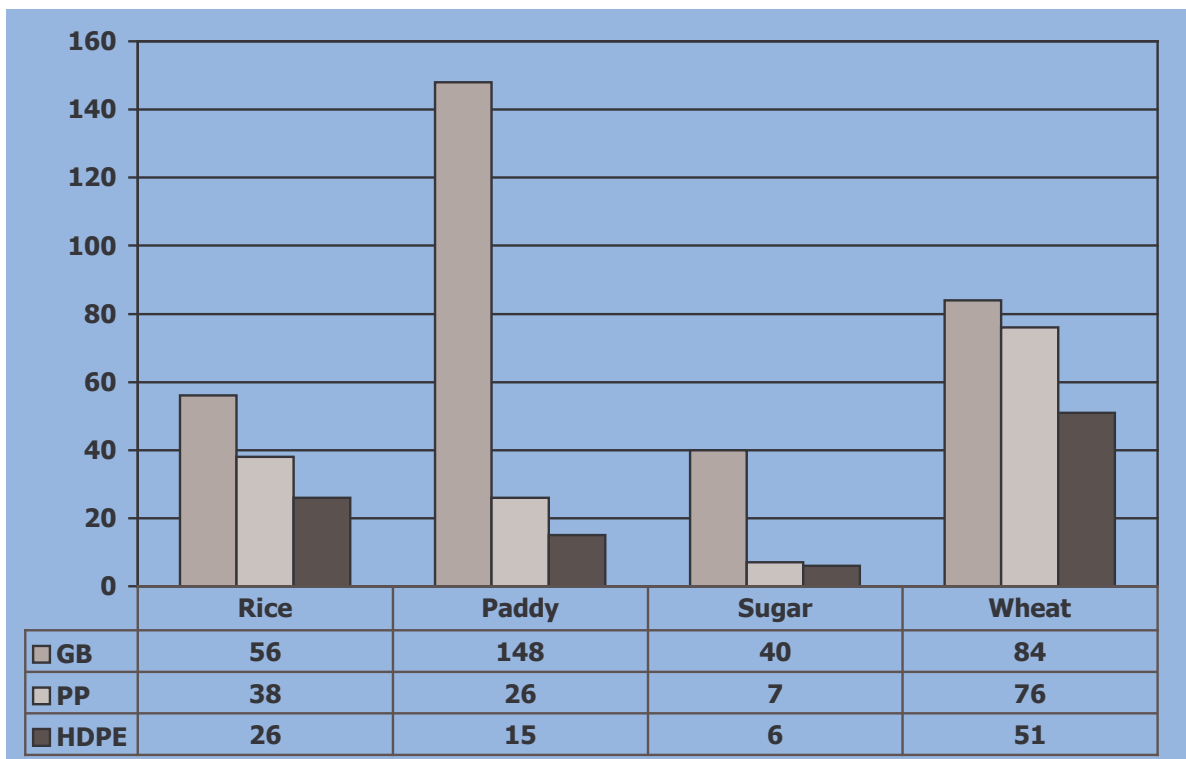


VIBRATION STUDIES OF PACKAGED GRAINS

Paddy, Rice, Wheat and Sugar were considered for the studies. Jute, PP and HDPE woven sacks were the three packaging materials

Method

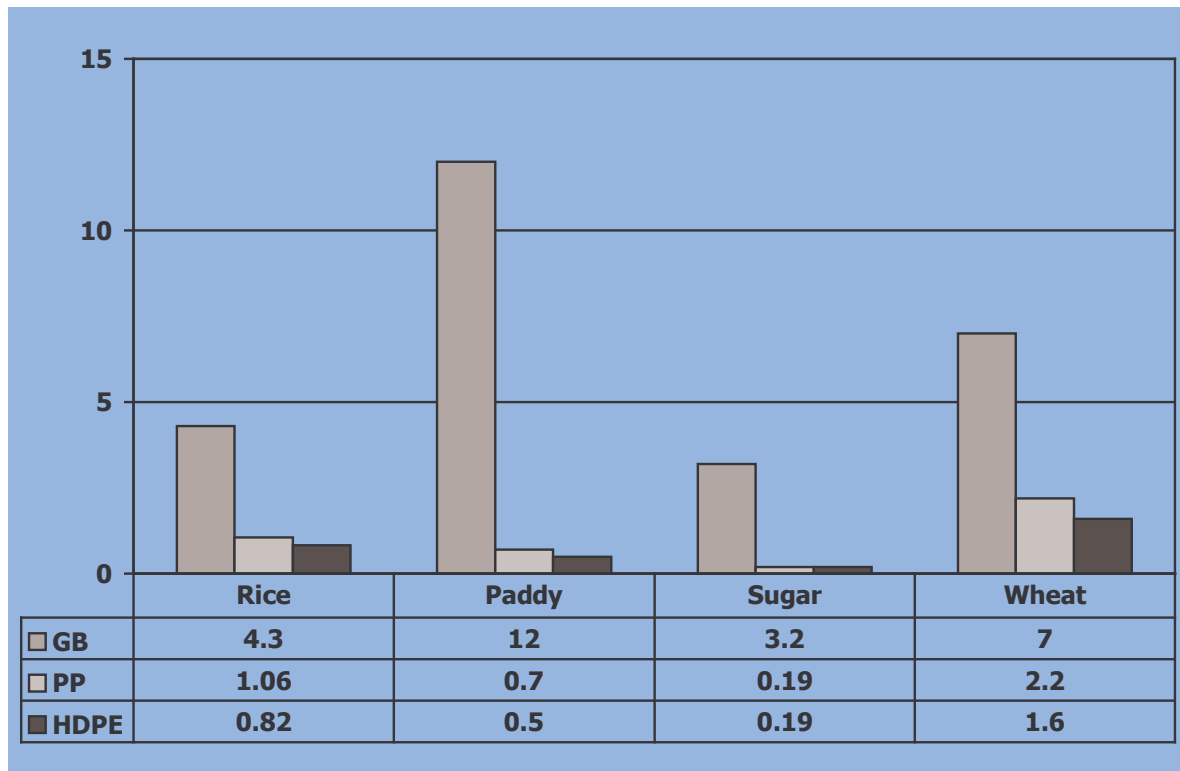
Vibration Simulation tests were carried on the above products with $\frac{1}{2}$ inch amplitude and **1 G** acceleration, and subjected to **3 hrs**, (1/2 hr =500 km) transportation hazard.



Bag size(1Kg):- 25cm X 23cm

Average Length of fibers :- GB= 3cm,PP=1.5cm,HDPE=1cm

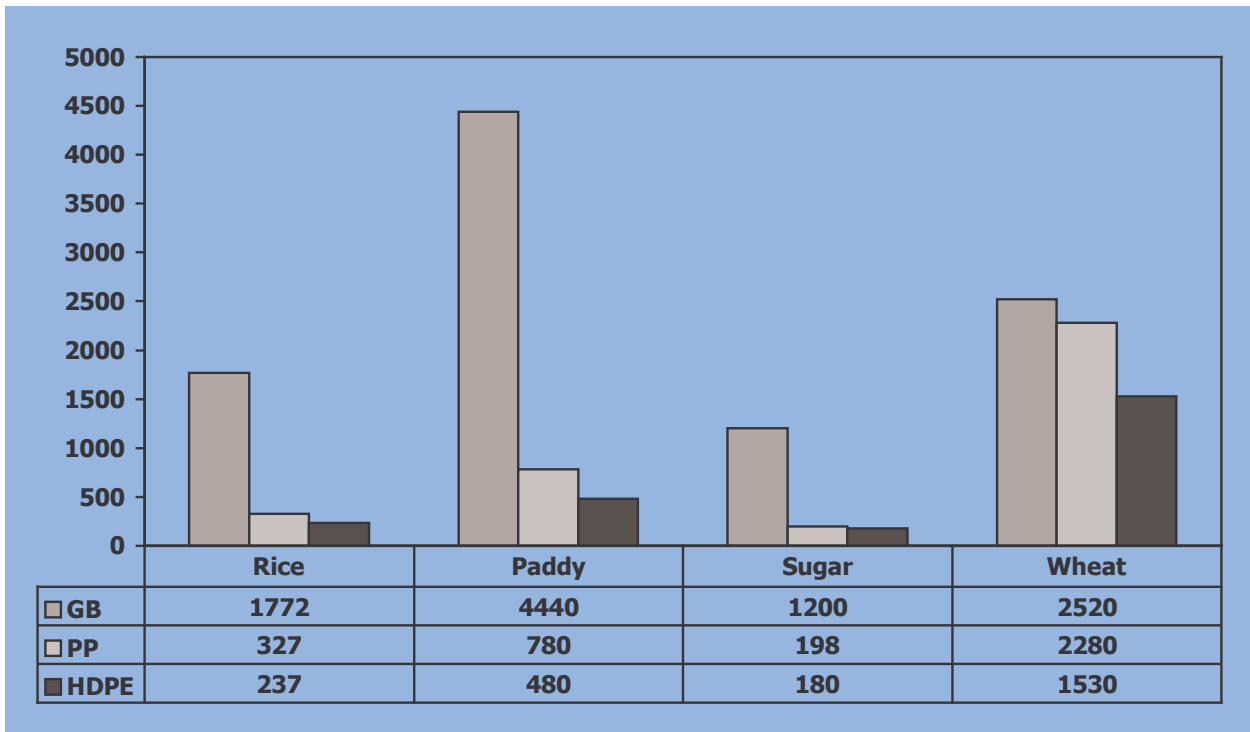
Weight of Fibers (1Kg)



Bag size (1Kg): - 25cm X23cm

Average Length of fibers: - GB= 3cm, PP=1.5cm, HDPE=1cm

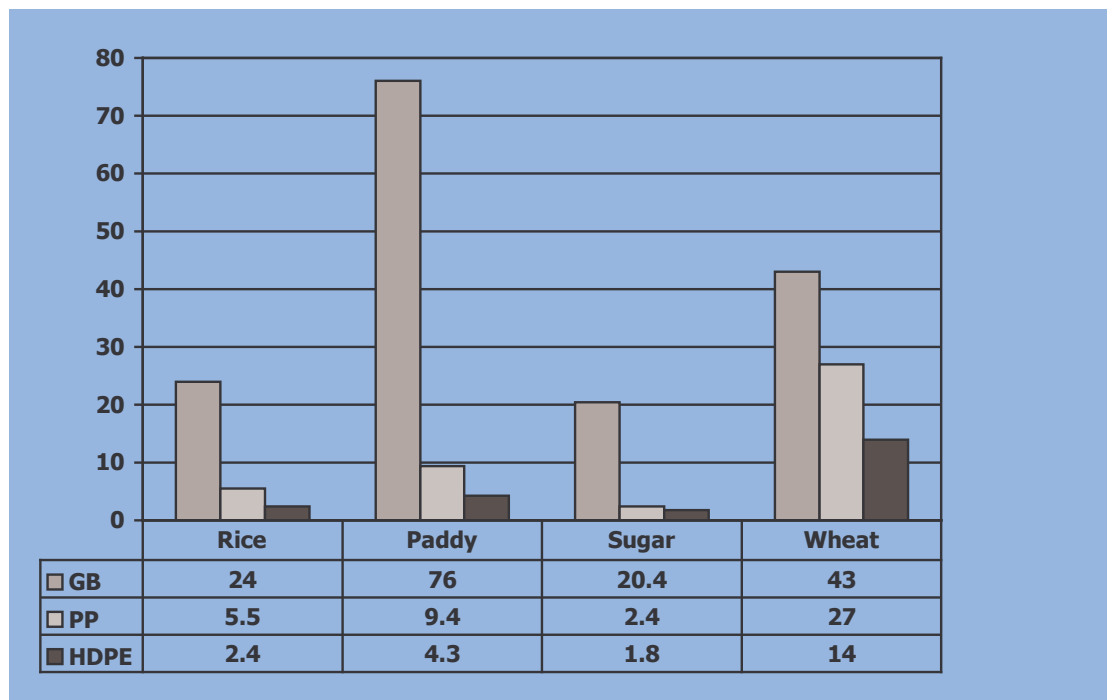
Number of Fibers (30Kgs)



Bag size(30Kg):- 66cm X 56cm

Average Length of fibers :- GB= 3cm,PP=1.5cm,HDPE=1cm

Weight of Fibers (30Kgs)



Bag size (30Kg): - 66cm X 56cm

Average Length of fibers: - GB= 3cm,PP=1.5cm,HDPE=1cm