

CLAIMS

1. A packaging system for banana products, the packaging system comprising:
5 a banana product;
a primary packaging in contact with the banana product and
an ethylene adsorber, wherein the primary packaging is made
of polypropylene; and
the ethylene adsorber comprising a biochar material
10 selected from the group consisting of carbonized rice hull
and activated carbon.
2. The packaging system of claim 1, wherein the primary
packaging has a thickness of about 20 microns and dimensions
15 of about 380 mm × 260 mm.
3. The packaging system of claim 1, wherein the ethylene
adsorber is contained in a perforated polypropylene sachet
having a thickness of about 25 microns, an average
20 perforation diameter of about 1 mm, and an average total
perforation count of about 1,064.
4. The packaging system of claim 1, wherein the carbonized
rice hull has a bulk density in the range of 0.15 to 0.19
25 g/ml, a moisture content of about 3.3 to 3.8%, and a mesh
size of about 149 microns.
5. The packaging system of claim 1, wherein the activated
carbon has a bulk density in the range of 0.60 to 0.66 g/ml,
30 a moisture content of 5.9 to 6.3% and a mesh size of about
12 microns.