Cole Terwilliger- honeycomb of polypropylene. Polypropylene ranges in price from 70 cents to $1.10 per pound in the United States. It can provide support for the food, and withstand high temperatures. It is extremely light and easy to clean. It meets the standard to come in contact with food. The material is impact-resistant. The honeycomb shape facilitates airflow.

www.ics.com/chemicals/polypropylene/price-reporting-methodology/

www.plastics.ides.com/generics/39/polypropylene-pp

www.ics.com/chemicals/channel-info-chemicals-a-z

Yousef Alsaqabi- tray made from nylon mesh. For dehydrating food such as peas and corn, nylon mesh netting works well. Laying the mesh between the food and the drying racks prevents the food from sticking as it dries, and makes it much easier to clean the racks. Nylon is food-safe and can be used in temperatures well above the temperatures at which dehydrators operate.


Kirk Cieniewicz –open-weave stainless steel dryer screens. This sells for three US dollars per square foot. We would need to remove the light coating of petroleum-based lubricating oil prior to contact with food. The material would be easy to clean and it is porous, so it will allow for good air flow. It is strong enough to support the food. This material is durable, and recycled sheets would be easily found for lower prices in scrapyards.

http://www.geopathfinder.com/9473.html
Mary Miller- tray made from polypropylene mesh. The mesh has good air-flow from top and bottom, so it will allow the fruit to be dried effectively. This material is lightweight but strong, easily cleaned and safe for use with food. The mesh would be simple to cut to the correct dimensions of the frame. Enough material for two trays would cost $19.95 when ordered through SunScreens.

http://www.solarfooddryer.com/Info/About_SunScreens.htm