Soybeans as Chemical Feedstock
Introduction-Teacher Resources

1) To engage students in thinking about Bioproducts and uses of soybeans beyond food and fuel, use these videos:

The Human Element [http://www.youtube.com/watch?v=QpydugTkt1U](http://www.youtube.com/watch?v=QpydugTkt1U)

Biobased Plasticizers

GNG Bioproducts Career Video

The perfect crop

2) Before beginning with the processing activity, have students watch these videos:

ZFS Soybean Processing [http://youtube.com/watch?v=Bn05a7xx1KM](http://youtube.com/watch?v=Bn05a7xx1KM)


Compare the technology used in each video.

3) Here is some price info to use as a guide for determining the costs of the products:

Info to use in calculations: (2013, June market) raw soybean, $541.41/metric ton; hulls,$91.32/mt; crude soybean oil , $1084.23/mt, soybean meal, $506.62/mt; soybean protein, $1200/ mt; Degummed Soybean Oil, $1400/mt; soy lecithin, $800/ mt.