

N O W



World Sunflower (100) estimate 500 million ton

Sunflower Integral Utilization (number) material balance



Head Flower Seeds (65)



Seeds 32 Million ton



Oil 11 Million ton



2012 Seeds	Thousand ton
Ukraine	6771
Russia	5344
Argentina	2220
China	1710
France	1633
Bulgaria	1596
Turkey	1320
Romania	1262



Ornamental Fertilizer Phosphorus Rich

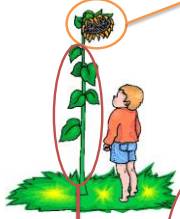


2012 Oil	Thousand ton
Ukraine	2945
Russia	2619
Argentina	1127
Turkey	645
France	592
Germany	458
Spain	426
China	348
USA	321
India	301
.....Japan	0.9



Giant Sunflower Native in Peru.

N e x t G e n e r a t i o n



Unutilized Stalk (35)

1st target Stalk Pith 1% Lipophilic & Hydrophilic Dietary Fiber Natural Binder Natural Emulsifier Lipid Discharging agent



Binder for Phosphate free Ham, Sausage Pork/Chicken/Beef/Fish



Prevent Exudative Hamburger



Binder ,Water Holding Noodles



Binder Rice Flour Bread

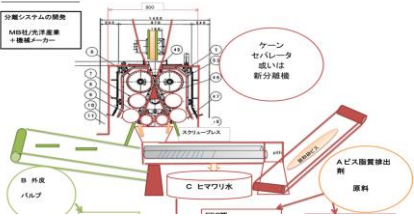


Dispersion agent Flavor Holding Ganache

Chemical Free Food



Cane Separator



Rind(10) Rind Board Stalk Light Construction Material



Light Board



Bird Box



Coffin

F u t u r e



Solli-Liquid Separator

Sunflower Water (20) Plant Water (20) Free water (19) Cell Water (1)



Pulp & Paper Rayon, Ryocel

Petroleum -> Biomass

