



Fruit Cannery

This facility cans peaches and pears and wanted to investigate the reduction in BOD and TSS using the Floccin Agents. Samples were made in the off season using 2/3 by weight of peach to 1/3 pear with a total amount of 100 grams in 2,000 ml (5% by weight to simulate the wastewater generated from the facility).

The samples were flocculated with Floccin J at a dosage of 0.25 gram/1,000 ml (250 ppm), screened with coarse filter paper, and analyzed for BOD and TSS. The results show that the Floccin J can reduce some of the BOD and a majority of the TSS. Traditional chemistry only reduces the BOD by 8-9%.

The results are shown below:

Analyte	Untreated	Floccin J	% Reduction
Biological Oxygen Demand	4,200 ppm	2,600 ppm	14.3%
Total Suspended Solids	3,600 ppm	130 ppm	95%

