

Our Models

- 1) Hydroids save whales.
- 2) Oil spill recovery system.
- 3) Corn packaged with fertilizer.
- 4) Another way to package fertilizer with corn.

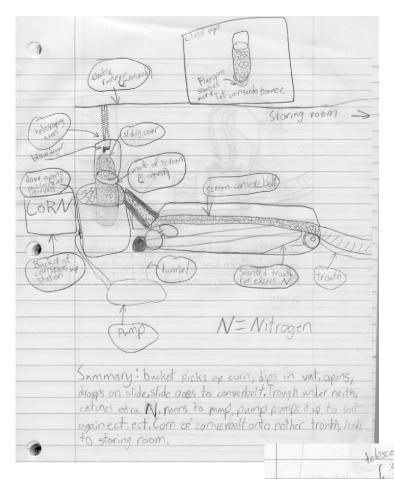




Problem: Fertilizer Run-off Contributes to Dead Zone Formation

Solution: Package Corn Seeds With Fertilizer Around Them

Additional Benefits: Reduces costs of farming. Less fuel is used to fertilize since it happens when seeds are planted; less carbon dioxide is released in the atmosphere.



Summary: goes down trouth up special pump, out trabe into box. Box producer next to coverbelt, once all corn in box, converbelt moves into track, shiped away.







Fast Facts:
Corn Stalk Nitrate Concentrations:

Low: (Less than 250 ppm) Likely that nitrogen was deficient and limited yield

Marginal: (250 – 700 ppm) Possible that nitrogen deficiency limited yield

Optimal: (700 – 2000 ppm) Yield was not limited by nitrogen

Excess: (> 2000 ppm) Nitrogen supply was excessive http://www.agviselabs.com/tech_art/cornstalk.php







Problem: Whales are beaching themselves.

Solution: Hydroids, a robotic system that stimulates whales to change their course.

Additional Benefits: Additional information about whale health and activity is gathered for monitoring whale populations.

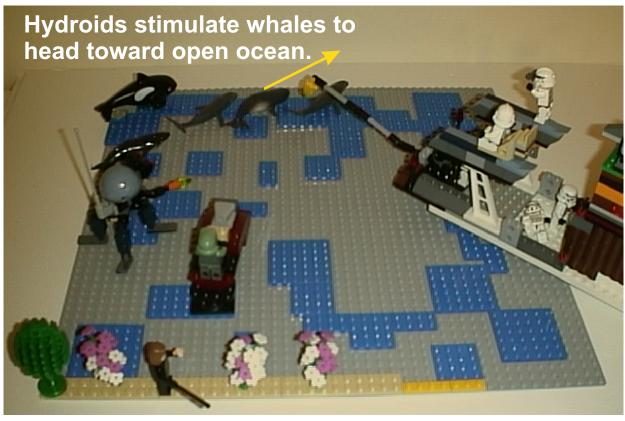










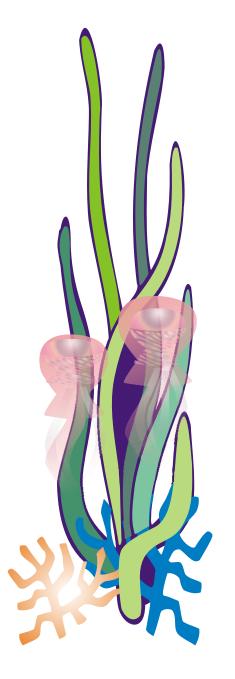


Problem: Fertilizer run-off contributes to dead zone formation, yet corn fuel could replace fossil fuels.

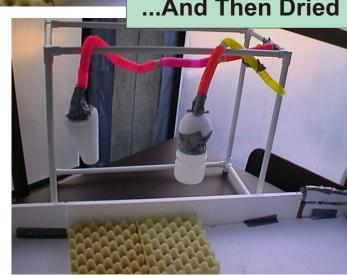
Solution: Package Corn Seeds With Fertilizer Around Them

Additional Benefits: Reduces costs of farming, maybe making it economical to use corn for fuel.











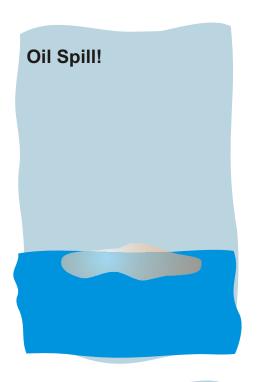
Problem: Oil Spills are costly to clean-up but some toxic, long-lived spills involving diesel oil have to be cleaned.

Solution: Oil spill and recovery system minimizes impact on marine life by filtering it out. The system collects fuel which can be transported away from the contaminated area. The system does not use additional chemicals.

Additional Benefits: Recovered oil is separated from other things and maybe could be recovered for fuel use.

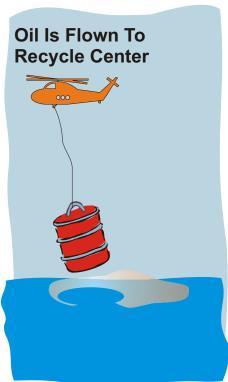


















Once full of oil, the system is hooked to a helicopter that lifts and carries it to a recycle center.