Dairies and Environmental Impacts Deanne Meyer, Ph.D. dmeyer@ucdavis.edu



Overview





California dairies



Manure management





Keep wet things wet









Keep wet things wet



UCDAVIS

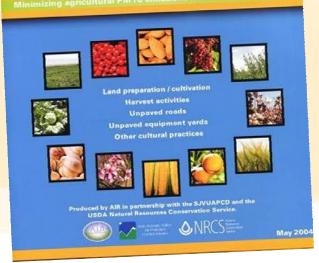




And dry things dry and under cover





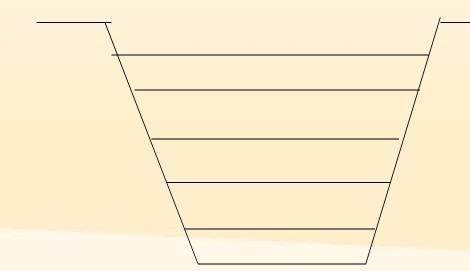






Required Plans

Waste Management (WMP)









UCDAVIS

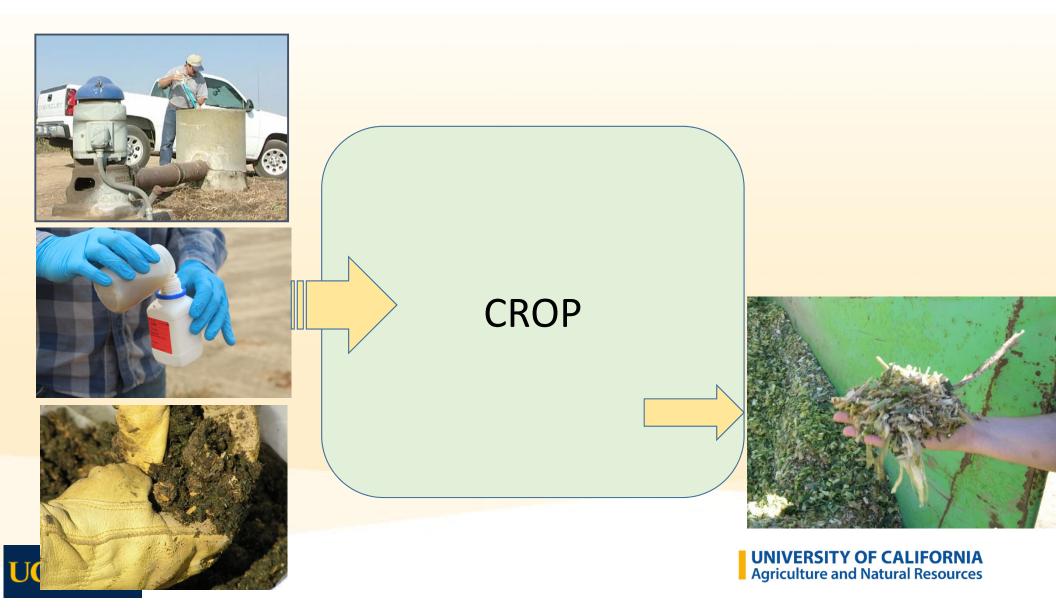
Required Plans

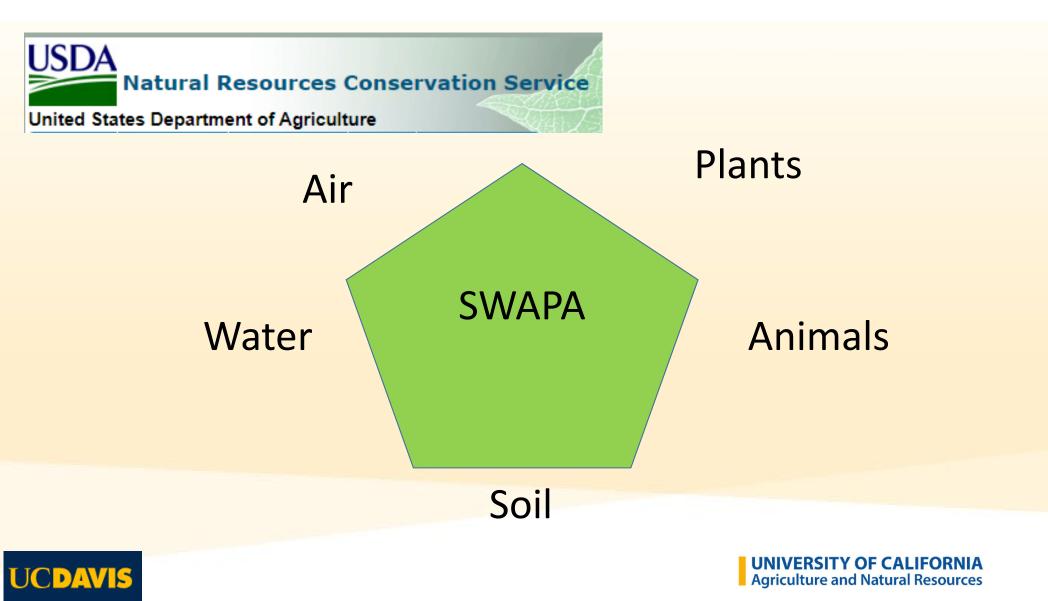
Waste Management (WMP) Nutrient Management (NMP)

Total N Application

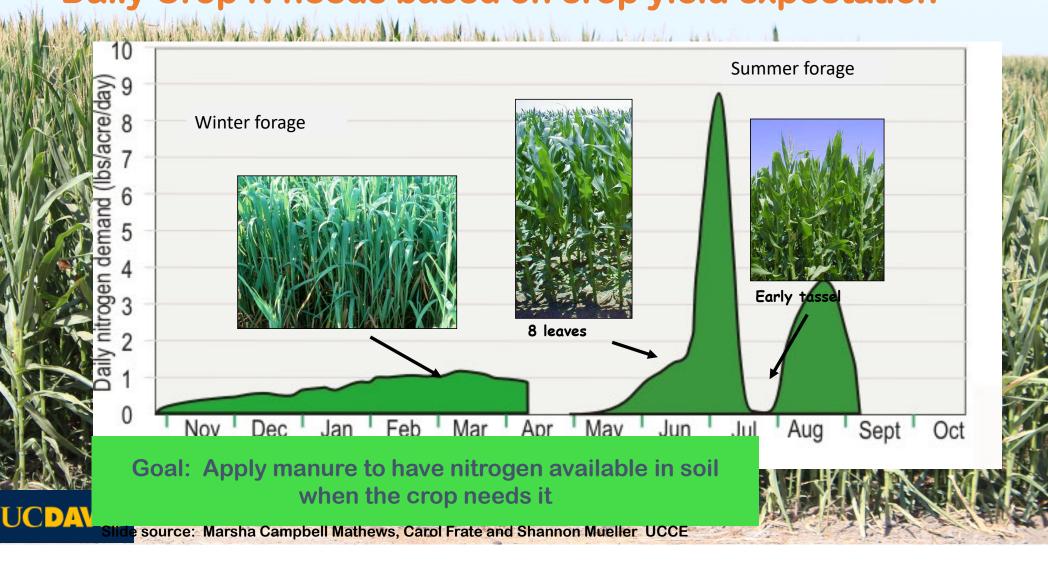
= 1.4 X Removal







Daily Crop N needs based on crop yield expectation









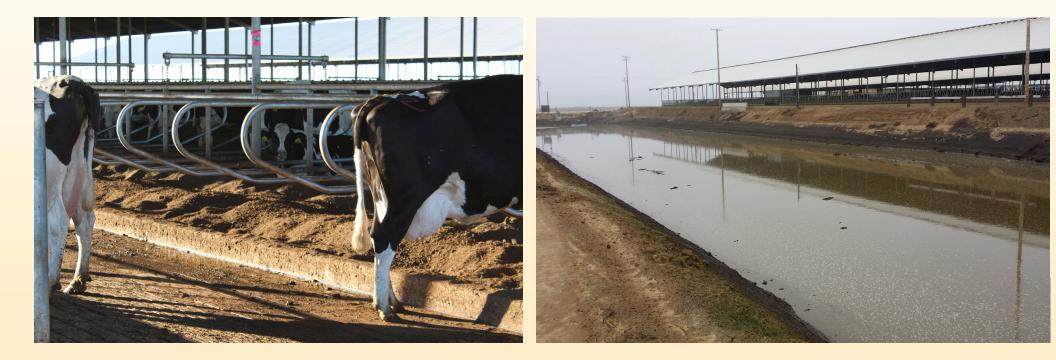






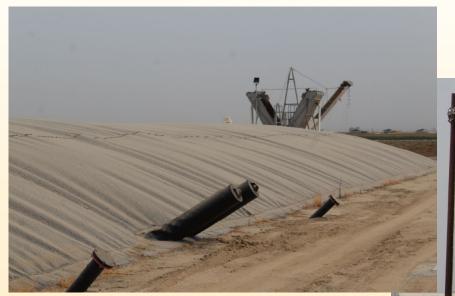






Freestall manure collected as liquid or slurry











Corral manure managed as dry solid







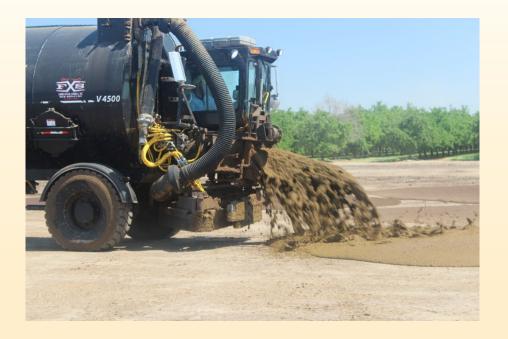
Land apply between crops





Solid liquid separation removes fiber







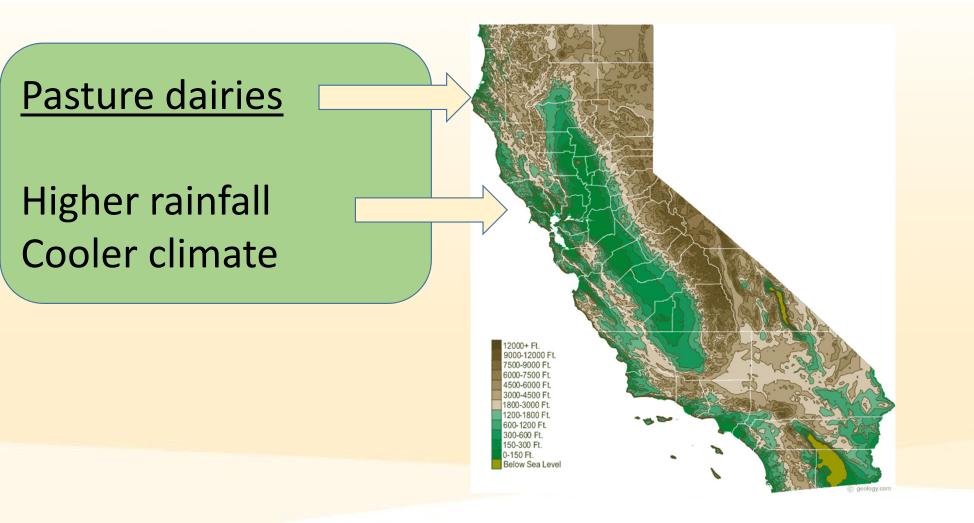
Vacuums





Compost Bedded Pack Barns















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