

Format for Agricultural Panel

Central Coast Regional Board Meeting – September 20, 2018

	Farm Management Considerations	Topic Coordinator: Abby Taylor-Silva	Subjects
30 min	Food Safety Confirmed: Scott Horsfall, Joe Pezzini, Dan Sutton	Topic Committee Members:	<ol style="list-style-type: none"> 1. Human health 2. Legal food safety mandates 3. Audits 4. SGMA and future water use 5. Public/Private research
10 min	General Farm Management		<ol style="list-style-type: none"> 1. Harvesting decisions 2. Role of Shipper vs. Grower

	Nutrient, Irrigation & Pesticide Management	Topic Coordinator: Kirk Schmidt	Subjects
30 min	Irrigation Management	Topic Committee Members: Abby Taylor-Silva	<ol style="list-style-type: none"> 1. Evolution of irrigation 2. Pre-planting field prep 3. Germination/starts/transplant technology 4. MCRWQ irrigation type chart 5. Irrigation difference Castroville vs. King City & ET 6. ESJ outliers & sub-growing regions 7. Salt leaching factor 8. Research needs and regulatory challenges
30 min	Nutrient Management		<ol style="list-style-type: none"> 1. 4R's of fertilizer: Right Amount, Right Time, Right Source, Right Place 2. 1970 fertilizer application vs. today 3. UCCE Crop studies yield and N 4. RWQCB uptake chart 5. Photos of diverse crop ranch 6. Harvest decisions 7. Applied/Uptake/Removed data 8. ESJ R studies and adoption by RWQCB 9. Lettuce thinning 10. Compost use 11. Research needs and regulatory challenges
30 min	Pesticide Management		<ol style="list-style-type: none"> 1. Toxicity 2. Usage 3. Integrated Pest Management 4. Application and formulation technologies 5. How pesticides leave the farm

			6. Urban usage of neonicotinoids in some watersheds 7. Historic creek summer water flow 8. Determining long-term objectives
	<i>Confirmed Speakers (nutrient, irrigation and pesticide topics):</i> Steve McIntyre, Jim Stolberg, David Costa, Jocelyn Bridson, Mark Mason, Tim Borel, Jackie Vasquez, Joel Wiley, A.J. Cisney		

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	Generating Meaningful Data & Balancing the Level of Detail with Reporting Burden	Topic Coordinator: Claire Wineman	Subjects
45 min	<i>Agricultural Associations</i> Claire Wineman, Parry Klassen, Abby Taylor-Silva, George Adam (potentially including growers with direct experience in reporting)		<ol style="list-style-type: none"> 1. Nitrogen Applied and Removed Reporting considering: <ol style="list-style-type: none"> a. Multiple crop rotations b. Operator rotations and movement c. Utilizing high-nitrate irrigation water d. Multiple crop types 2. INMP and Reporting 3. Groundwater monitoring and reporting and coordination with SGMA requirements 4. Streamlining reporting forms and GeoTracker

	Looking Forward/Summations	Topic Coordinator: Kirk Schmidt	Subjects
25 min	<i>Agricultural Associations</i> Kirk Schmidt, Abby Taylor-Silva, Kris Beal, Parry Klassen, Jason Sharrett, Norm Groot (potentially including growers)		<ol style="list-style-type: none"> 1. Continued improvements: long-term, on-going iterative process 2. Safe drinking water 3. Quality, industry-driven education and outreach 4. Innovation 5. Fair, predictable, consistent, transparent enforcement process

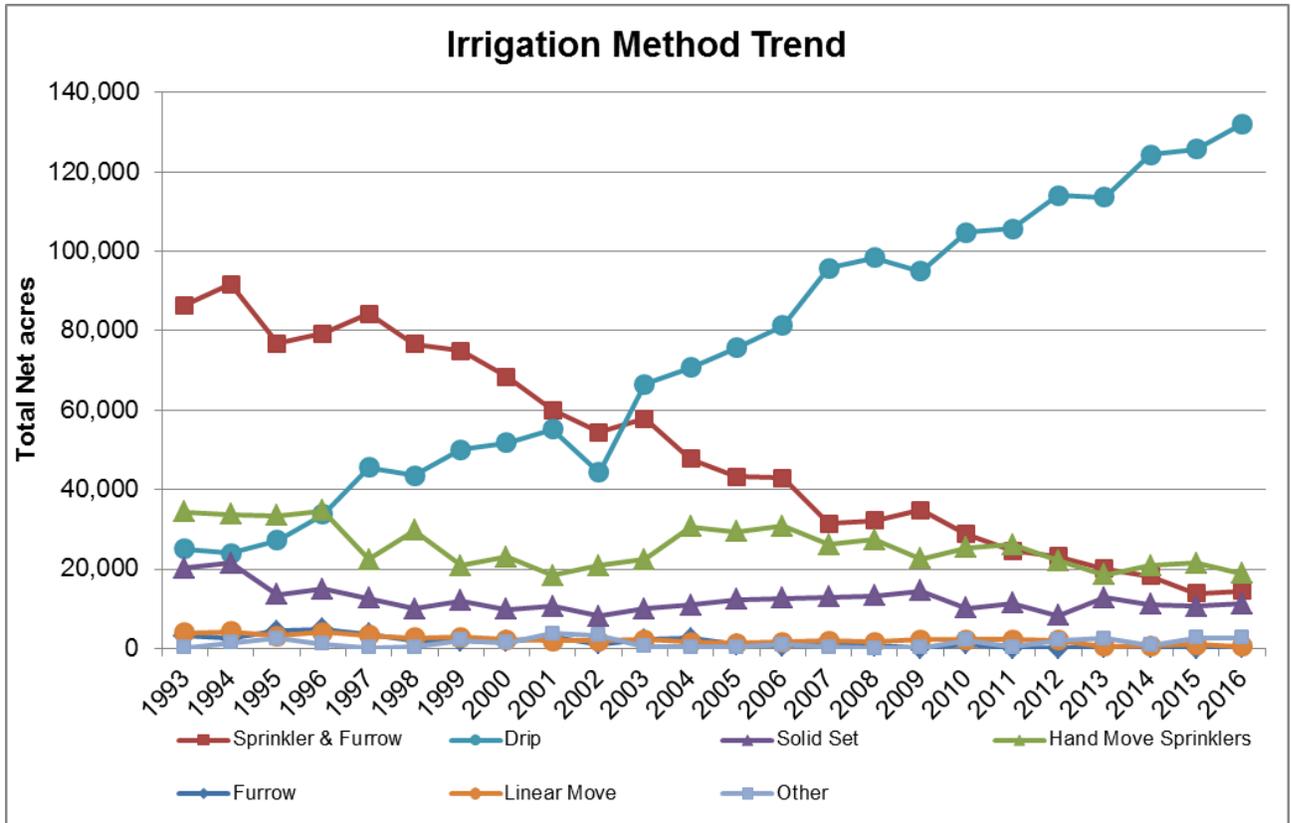


Figure 14. Changes in Irrigation Methods Used Over Time (1993 – 2016) in Zones 2, 2A, and 2B.

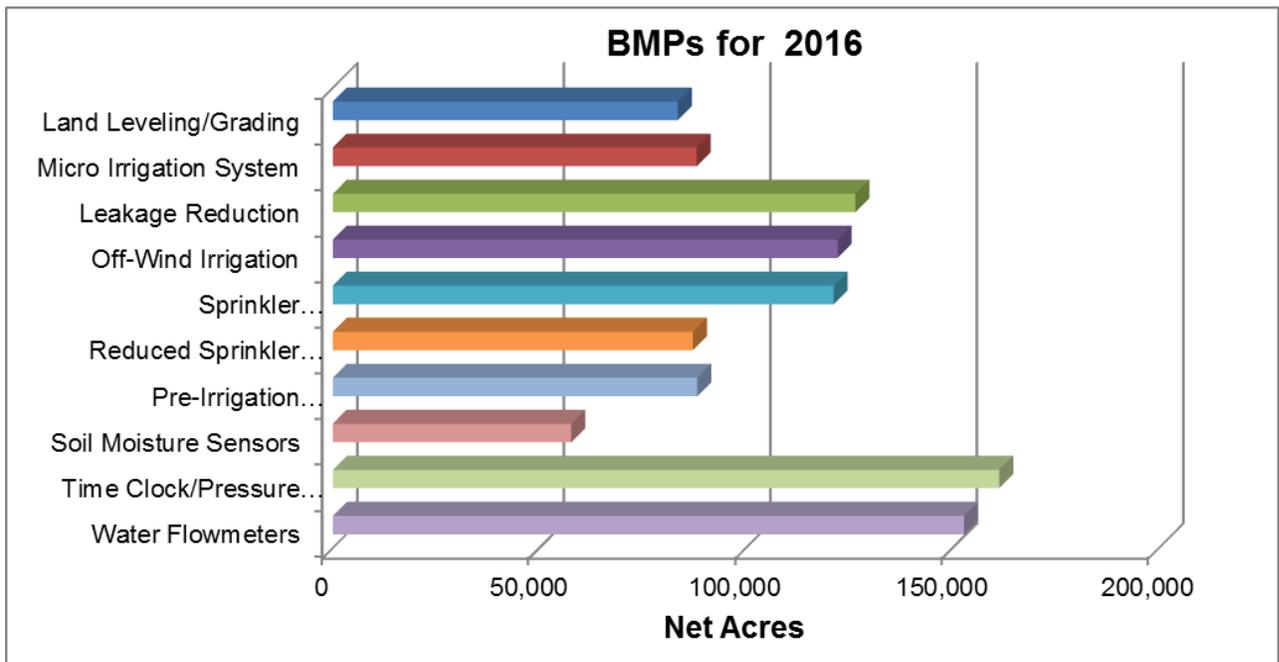
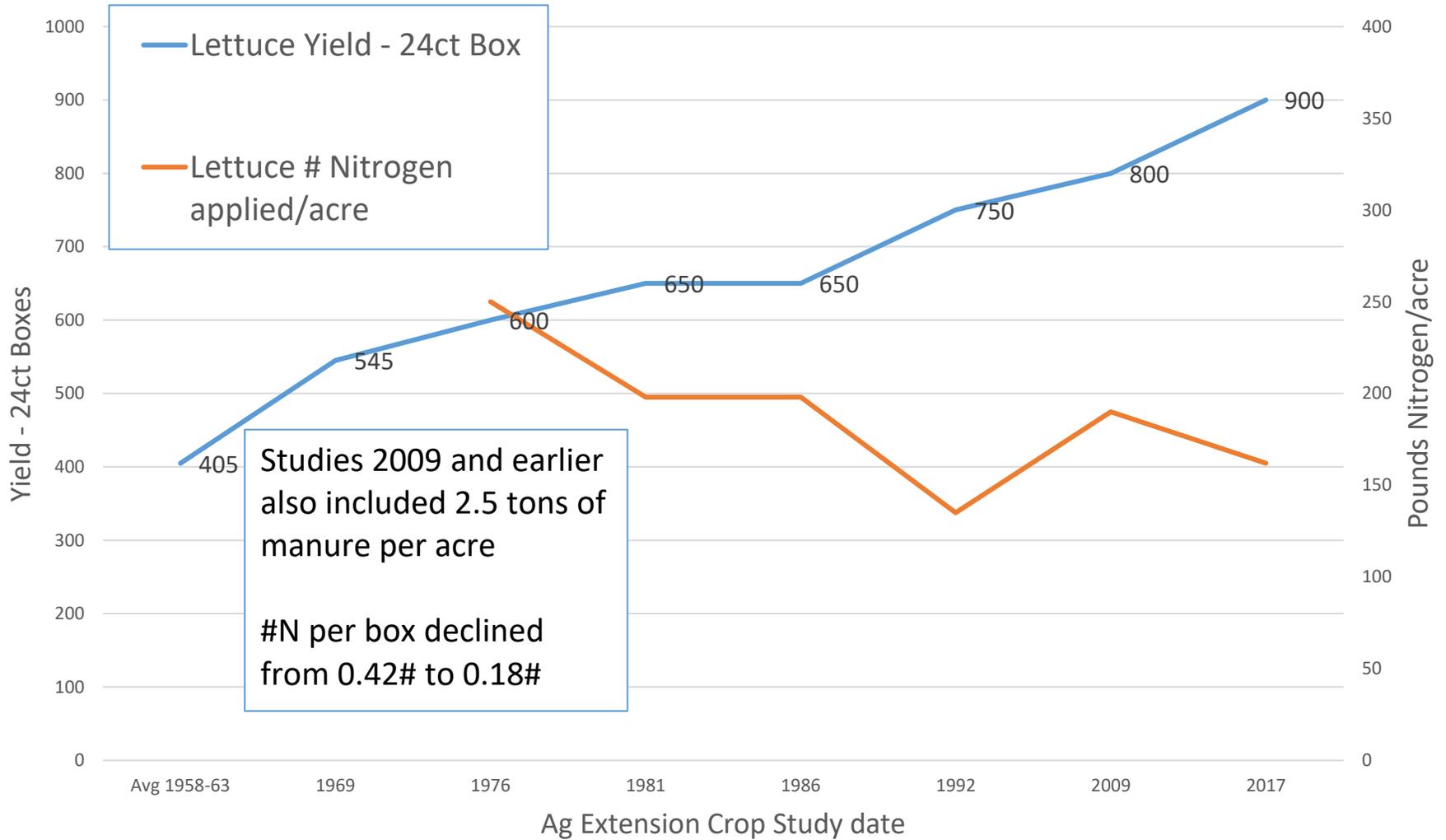


Figure 15. Top Ten BMPs Forecasted for 2016 Based on Reported Net Acres.

UCCE Crop Studies 1958-2017 Head Lettuce - Salinas Valley



Crop	CROP "N" DEMAND			
	A - Typical N Crop Uptake Ranges (lbs./acre)		B - Harvest N Removed (lbs./acre)	
Broccoli	180	337	60	99
Cabbage	180	285		180
Cauliflower	180	355	60	70
Celery	200	250	120	160
Lettuce	120	150	50	80
Baby lettuce	70		46	
Spinach (Bunch)	120	130	78	85
Spinach (Baby)	74	85	48	55
Spinach (Tennage)	94	100	61	65
Strawberry	200	260	92	100
Blueberry	275	300	19	38
Bell Pepper	200	260	80	110
Mizuna (rep salad mix vegetable)	99		58	
Cilantro	104	200	57	
Tomato	240	300	120	160

Strawberry Commission Meeting, August 8, 2017

Chris Rose & Peter Meertens, Central Coast Water Board