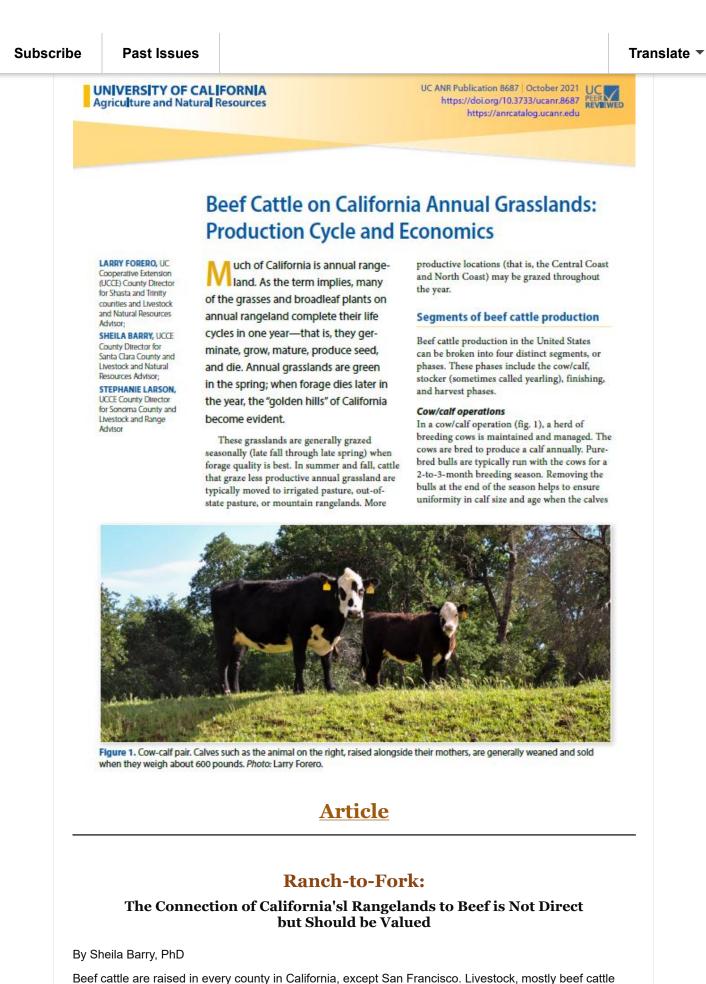


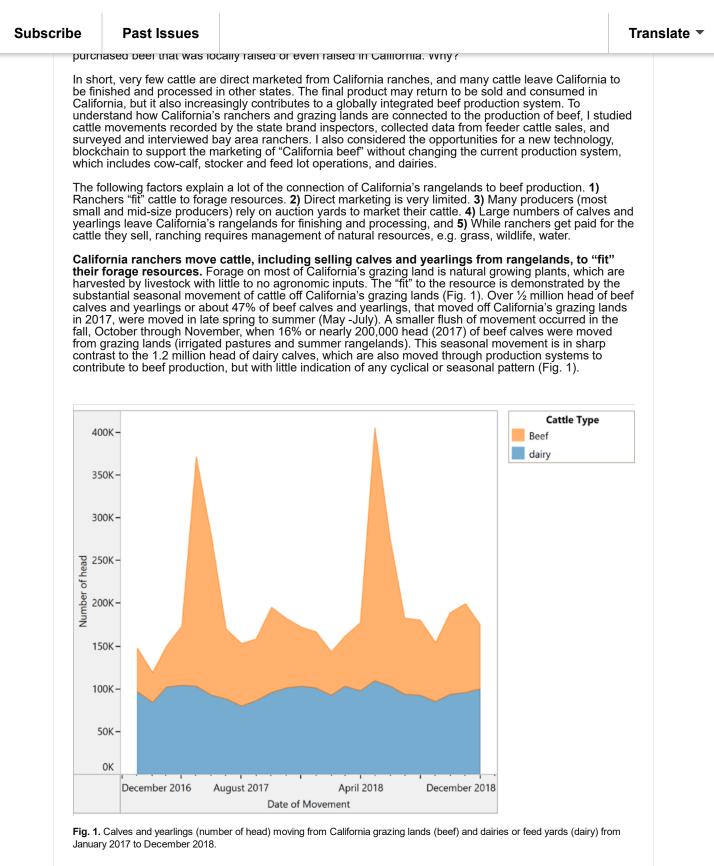
1 of 7

Subscribe	Past Issues			Transl
			iə, 22 & 29 ://ucanr.edu/cattle	
free	e online webinars for c st speaker presenting and manag	attle producers. Every Tue with a question and answ ement. This session will l	Davis Veterinary Medicine is excited to offer series esday evening in March from 5:30-7:00 we will ha er session, covering topics important to cattle hea be live and will include lots of visuals.	ve
For		•	chohr, Livestock and Natural Resources Advisor t tkschohr@ucanr.edu or 916-716-2643.	for
	Whole Vaccina	1, 2022 Herd Health Plans – ation schedules ot and Dr. Gabriele	Have questions on your beef cattle whole herd health pla Join us for a free, live, online webinar focused on cattle vaccination programs. Veterinarians will discuss calf, pre weaning, and annual cow vaccination programs. We will touch on essential mineral supplements to consider and local vaccination variances. There will also be a question answer session with Dr. Gabriele Maier, DVM, Cooperati Extension Specialist in Veterinary Medicine, UC Davis ar Dr. Tom Talbot a large animal veterinarian in Bishop, Cal	e- I also I n and ive nd
	Pink Ey Dr. John	A 8, 2022 Ye in Cattle Angelos, UC Davis of Veterinary Medicine	This webinar will focus on an overview of the biology and management of bovine pinkeye. John Angelos, professo chair, Department of Medicine and Epidemiology, Schoo Veterinary Medicine will discuss cattle eye anatomy, pink disease progression, and decision-making for developing treatment plans and prevention programs.	r and I of keye
	Toxic P Dr. Popp	n 15, 2020 Iants & Livestock benga, UC Davis School inary Medicine	This webinar will focus on an overview of the biology and management of bovine pinkeye. John Angelos, professo chair, Department of Medicine and Epidemiology, Schoo Veterinary Medicine will discuss cattle eye anatomy, pink disease progression, and decision-making for developin treatment plans and prevention programs.	r and I of keye
	Herd Bu and Inju Dr. McNa	1 22, 2022 ull Health, Diseases uries abb, UC Davis School of ry Medicine	Herd bulls are the central component of the success for cow-calf producers. Dr. McNabb will share key strategie keep your bulls healthy and prevent diseases. He will als discuss common bull injuries and feasibility of treatment options.	s to so
	Why Di Californ Food Sa Dr. Gabr	n 29, 2022 id it Die? nia Animal Health & afety Lab riele Maier and Dr. re Watson	When raising cattle, you can often be faced with losses seem like a mystery. Dr. Gabriele Maier, DVM, Cooperati Extension Specialist in Veterinary Medicine, UC Davis ar Dr. Katherine Watson, Pathologist at UC Davis will discu submitting samples to the California Animal Health and F Safety (CAHFS) Lab to find answers to why did it die. Th will also share unique cases the CAHFS Lab have helpe cattle producers identify to improve herd health and management.	ive nd uss Food ney
		New ANR 1	Publication	

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Ranchers selling calves and yearlings at feeder sales in May, June, and July in 2019 reported during survey forage quality and quantity as influencing the time they chose to sell their calves or yearlings.

"This is the typical time of year to sell fall born calves. You could keep them longer when feed is abundant, but calves do not grow well."

In terms of forage quantity, ranchers noted the importance of leaving feed.

ribe Past Issues									
	ion in terms of a								neir gra∠ing
managem	ent, including live	estock sa	iles, wor	ked to supp	ort specifi	c consei	vation inf	terests.	
"I have n	o conservations i	restriction	s but I l	keen it the h	nest I can	Accordi	na to the	Matural Re	sources
Conserva	tion Service] NR	CS hinlor	nist it rer	nains a doc	nd hahitat	for red_l	ang io in c	a Californi	a tiger
	er, and San Joad								
	don't like to graze								
,	0	0							
	also described h	now movi	ng cattle	, including t	timing of s	ales, rec	luced fire	risk, and p	rotected
soils.									
"!!	ad to know askin	1:44- 1			deee wet l	huma Lau		ay lita tha ay	a una di na a ut
	od to keep calve y boundaries sin								
	t of the hills durin								
	e moved] back ar						uniy souc		
					-				
Very few	beef cattle are o	direct ma	rketed b	by Californ	ia produc	ers. Acc	ording to	brand insp	ection
records, a	small portion of	the state	's beef p	roducers a	re "Ranch	-to-fork"	operation	ıs. In fact, o	only 24,000
head or a	bout 1.5% cattle	e are dire	ect mark	eted (2017	', Fig. 2). (Other stu	udies hav	e found pro	cessing and
distributio	n, along with acc	essing er	ոough զւ	uality forage	e are all re	cognize	d as signi	ficant challe	enges to
direct ma	keting beef.	•	•			•	•		C C
	Saleyard			9,774		65,453			
	Grass in state	727				2,789			
						2,109			
Small Produce		120				545			
Small Produce (< 25 hd/yr)	Grass out of state								
	Grass out of state	120				545			
	Grass out of state On feed	120 146 1,586				545 863			
	r Grass out of state On feed Direct Market	120 146 1,586	4,159			545 863 3,420	301,036		
(< 25 hd/yr)	Grass out of state On feed Direct Market Wholesale/retail meat	120 146 1,586	4,159			545 863 3,420	301,036		
(< 25 hd/yr) Medium	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard	120 146 1,586 254	4,159			545 863 3,420 949	301,036		
(< 25 hd/yr) Medium Producer	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed	120 146 1,586 254 756	4,159			545 863 3,420 949 27,524			
(< 25 hd/yr) Medium	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed	120 146 1,586 254 756 378	4,159			545 863 3,420 949 27,524 36,775			
(< 25 hd/yr) Medium Producer	rr Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed	120 146 254 756 378 660	4,159			545 863 3,420 949 27,524 36,775 72,513			
(< 25 hd/yr) Medium Producer	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed Direct Market	120 146 254 756 378 660 544	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001			
(< 25 hd/yr) Medium Producer (25-500 hd/yr	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state On feed Direct Market Wholesale/retail meat Saleyard Grass in state	120 146 1,586 254 756 378 660 544 342	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762			
(< 25 hd/yr) Medium Producer (25-500 hd/yr	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state On feed Direct Market Wholesale/retail meat Saleyard Grass in state	120 146 254 756 378 660 544 342 290 101 141	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770			
(< 25 hd/yr) Medium Producer (25-500 hd/yr Large Produc (500-5000	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed On feed	120 146 254 756 378 660 544 342 290 101 141 227	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770 19			
(< 25 hd/yr) Medium Producer (25-500 hd/yr	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed On feed Direct Market	120 146 1,586 254 756 378 660 544 342 290 101 141 227 71	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770 19 11,367			
(< 25 hd/yr) Medium Producer (25-500 hd/yr Large Produc (500-5000	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed Direct Market Un feed Direct Market Wholesale/retail meat	120 146 1,586 254 756 378 660 544 342 290 101 141 227 71 80	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770 19 11,367 16,424			
(< 25 hd/yr) Medium Producer (25-500 hd/yr Large Produc (500-5000	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed Direct Market Un feed Direct Market Saleyard Saleyard Saleyard Grass out of state On feed Direct Market Saleyard	120 146 1,586 254 756 378 660 544 342 290 101 141 227 71 80 19	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770 11,367 16,424 18,797			
(< 25 hd/yr) Medium Producer (25-500 hd/yr Large Product (500-5000 hd/yr)	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state Grass out of state On feed Direct Market	120 146 1,586 254 756 378 660 544 342 290 101 141 227 71 80 19 9	4,159			545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770 11,367 16,424 18,797 973			
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(< 25 hd/yr) Medium Producer (25-500 hd/yr Large Produc (500-5000 hd/yr) Extra Large (>5000 hd/yr)	r Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass in state On feed Direct Market Wholesale/retail meat Saleyard Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass out of state On feed Direct Market Wholesale/retail meat Saleyard Grass out of state On feed On feed On feed On feed	120 146 254 756 378 660 544 342 290 101 141 227 71 80 19 9 14 17	4,159		16.495	545 863 3,420 949 27,524 36,775 72,513 9,001 7,762 85,505 19,126 84,770 19,126 84,770 11,367 16,424 18,797 973 41,111	7,042		1 332 437
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Fig. 2: Movements of all beef cattle in California, number of producers and number of head, by producer size (2017). Note: number of producers is only unique number per movement type. They may be counted multiple times with production size class if they use different movement types.

For all but the largest producers, auction yards are critical; they provide for the movement of cattle off grazing lands and into the next phase of production. Auction yards not only sort, market and support pricing of cattle, but also provide flexibility in marketing cattle of different types, different times of year and provide value for ranchers managing changing forage conditions, e.g., from fire or drought. Small and medium-sized producers (< 500 head) market nearly 70% of their cattle through an auction yard (366,000 head in 2017). While auction yard may not be nearby for some ranchers, there was broad agreement among bay area ranchers that the auctions provided a fair price for their cattle (Fig. 3).

Why do you sell your cattle at auction or market direct?



Most beef cattle leave California's grazing land for finishing. Whether through retained ownership or

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	Culled beef cows and bulls are the exception, with most moving directly from grazing land to a meat processing facility. Culled cows are the largest class of beef cattle going directly from California grazing lands to processing. In 2017, nearly 17% of the beef cow herd or 109,000 cows was replaced with most of these cows going directly to slaughter. The dairy industry in California with a much higher replacement rate (40%) contributed 7 times as many cull cows to beef production (2017). California ranchers are not just connected to food production but also conservation. A common theme among California ranchers is a commitment to good grazing management regardless of land ownership or conservation requirements. This view was clearly articulated during ranchers surveys: <i>"I have no directive for conservation, but as all cattlemen, I convert grass to beef, so we need to manage grassI manage it, all the same, to keep grass."</i>								
	•	-	f you take care of the land, it takes care of you.						
	Keep lands are co range growi ranch they o wildlif stater	ing ranchers viable is i capes. Many of the hig poverted to more inten eland was converted to ng interest in valuing e ers to provide them. F grazed for resource ma e habitat, but many dis nent that they "get pair	ncreasing recognized as a benefit to the conservation of California's natura the cosystem services values provided by rangelands are lost if these land sive uses. From 1984 to 2008, over nearly ½ million acres of California's more intensive agriculture or housing (Cameron et al. 2014). There is cosystem services provided by rangelands and incentivizing or paying Ranchers surveyed in the San Francisco Bay area overwhelmingly agreed anagements reasons like reducing fire fuels, controlling weeds or improving sagreed with graze because it is profitable and nearly all disagreed with the	s that					
	Why	y do you graze?							
		Controls fire dai ides inexpensive food for ca Controls we Improves wildlife hat Compliance with Williamson	attle 5.5 Mostly Disagree (2) eeds 5.2 Somewhat Disagree bitat 5.1 Somewhat Agree (4 Act 4.9 Mostly Agree (5)	(3))					
		Part of family heritage/his		5)					
		lt's profit I get paid to g							
	110 res Certa sell) c enter condi "The "I was	sponses. inly, there are straight cattle off of California g prise. However, in the tions or the need for ca market was going sour	responses to statements about why they graze. Number is circle represents average score economic considerations that influence when ranchers' decisions move (or prazing lands or to invest time and resources to develop ranch-to-fork rancher interviews, even economic reasons for selling like changing marke ash were typically explained within the context of resource management. <i>I. could save a little feed by selling now.</i> " <i>and needed cash. I only marketed the heavy end because I have grass</i> <i>hter cattle to go on.</i> "	r					
	"I had	I feed and prices were	low, but I needed cash to pay bills."						
	resou econo	rce protection should i omic sustainability of ra	riven by seasonal changes in forage quality and quantity and a commitmen not, however, undermine the fact that selling livestock is essential to the anching. One of the auctioneers at the beginning of each of his feeder sale sent that the sale yard understood this:						
	"I kno	w this is your payched	k for the year, and we take it very seriously."						
	The F The b beef, go fro beef t Other frame practi with a organ prome	Future beef production system and COVID- related p on here? Are there opt that originates from exi- than physical informa size, and hot-iron bra ces, feed sources is no a specific value-added ic or grass-fed are lim ote. So what is next	a continues to evolve. We have seen growing consumer interest in grass-fe lant closures spurred new ranch-to-fork operations, and more. Where can tions for ranchers to capture more from the marketplace? As it stands now, tensive rangelands is generally not differentiated from dairy beef, for exam tion that can be visually assessed or measured, such as weight, hide, sex, nd if available (ranch origin), information including vaccine records, care ot transferred through the production systems unless the cattle are associa program. Current value-added programs for meat products like natural, ited in the attributes of beef and its production that they account for and	ve ple. ited					
	There	e are new disruptive te	chnologies that decentralize information and control, like blockchain, which						

Subsc	ribe	Past Issues					Translate
	e 	This newsletter is provided nd provides information to r atural vegetation i.e., grass S	nanagers of both public , forbs and shrubs and i SPACE in t Sheila Barry, UCCE Bay Certified	Extension Natural Resou and private rangelands managed as a natural e he San Francisco Bay <i>A</i> Area Natural Resources Rangeland Manager # <u>ucanr.edu</u> 408-282-31	. RANGELAND, which cosystem, is the predo Area. s/Livestock Advisor 33	an Francisco Bay Area is land characterized by minate source of OPEN	

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