HERD EXPANSION C.	ALCULATOR	Farmer :	Organic_T	ransition		_	Plans No.:			
HERD DATA:		Future**	Now					No. of	Head	
Cows at beginning of year		60	INOW	Cattle Sold for Breedi			Value	Now	Future**	
Heifers 0-12 mo. at beginning of year					Dairy co	7	2200	INOW	ratare	
Heifers >12 mo. at beginning of year					Dairy ca		2200			
Involuntary cull rate (%, including dead & downers)		28.0				2200				
Calving interval	, mordaling dodd & downers)	20.0	14.0 Dairy bull			2200				
Age at first calving			24.0	•						
0	that will deliver a live calf by 1	2/31	95.0	Cull & dead cow a			500	**NOTE:	"Future"	
•	ers that will deliver a live calf	2/01	94.0	Cull yearling			450	is the years after		
•	de abortions, stillbirths, etc.)		8.0	Cull calf			100	desired herd size		
% of calves born that a		50.0 Replacement Cost:				2400	has been reached.			
	% of excess heifer calves sold for dairy		00.0	• ,	коріассіпсі	000	2100	1100 5001	rrodonod.	
Check when purch. cat	,	(Jan-Dec	x)	(Jan-Apr)	(May-Aug)	(Sep-Dec)	
	_	(04.1. 2.00	/	(007.10.		() /9		(00) 200		
RESULTS by Yrs. (Ente		2008	2009	2010	2011	2012	2013	2014	2015	
* Cows in place at begin	ning of year		60	60	60	56	57	60	60	
Cattle purchases	- no. cows	60								
	 no. late-bred heifers 	9	16	8						
Raised heifers	- no. calved			10	19	24	28	28	20	
Breeder sales	- no. cows									
	- no. heifers									
Cows culled	- total number	9	16	18	23	23	24	20	18	
* No. of cows at end of y		60	60	60	56	57	60	60	60	
Excess cows/fresh h	neifrs (sold for 2x cull value)		0				1	8	3	
* Avg herd size (milking	& dry cows fed / yr.)		56	58	58	57	59	60	60	
Cows Milking	a. a., eee., y,	51	51	51	48	49	51	51	51	
	rn and survived per year:		31	31	40	43	31	<u>J1</u>	31	
			22	22	22	21	22	22	22	
	From cows in herd at beginning of year From raised and purchased replacements									
Total heifer calves b	·	10	<u>3</u> 26	<u>6</u> 29	9 31	<u>11</u> 32	13 34	<u>13</u> 35	9 32	
Total fieller caives b	om and survived	10	20	29	31	32	34	33	32	
* No. of heifers on hand	at beginning of year:									
Calves 0-12 mo. old			10	21	27	31	32	23	21	
Yearlings >12 mo. old				10	20	25	30	30	22	
Total			10	31	47	57	61	53	42	
Na baitana maadad ta s										
No. heifers needed to reach desired herd size and b			40	04	07	04	20	00	04	
Yearlings needed (1	-	85	19	21	27	31	32	23	21	
Excess or shorta	• •	40	0.4	0.7	0.4	00	00	7	1	
* Excess or shorta	` • · · ·	19	21	27	31	32	23	21	20	
* Excess or shortage	ge of calves		5	2		0	11	15	12	
No. sold for breeding:	- calves 0-12 mo.									
ŭ	- yearlings >12 mo.									
	- dairy bulls									
No. heifers culled as	- calves 0-12 mo.		5	2		0	11	15	12	
	- yearlings >12 mo.			1	1	2	2	2	1	
* No. of heifers at end of	-									
Calves 0-12 mo. old	-	10	21	27	31	32	23	21	20	
Yearlings >12 mo. old			10	20	25	30	30	22	20	
Total		10	31	47	57	61	53	42	40	
* Avg. no. of heifers on feed		5	21	39	52	59	57	48	41	
* Avg. no. of heiters on t	cc u									
•	eeu									
* Cattle sales:	ee u	<i>EE</i> 70	10020	12220	15004	15050	17500	15005	12017	
* Cattle sales: Culled cattle:	ee u	5572	10938	12220	15061	15253	17566	15805	13817	
* Cattle sales: Culled cattle: Breeding stock:	eeu		120				931	8181	2513	
* Cattle sales: Culled cattle:	eeu	5572		12220	15061	15253				

Total Cattle Po	urchases
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rotal Cattle Fulcilases		2000	2010	2011	2012	2012	2014	2015
-	2008							17
-	0	23	17	23	21	22	17	17
•		2	1					
	2	3	ı		0	4		
•		40					2	4
								1
lotal cows culled	9	16	18	23	23	24	20	18
survived from raised and pur	chased replace	ements:						
			4	9	11	13	13	9
ws	9							
fers	2	3	2					
nd survived	10	3	6	9	11	13	13	9
reach desired herd size and b	reeder sales:							
To expand (goal - cows at begin of year)		0.1		0.0	4.1	2.7		
- no. of cows								
- no. of heifers								
Total cows culled		15.8	17.8	22.8	22.6	24.5	20.0	17.8
Yearlings needed (1 yr. lead + 10%)		18.6	20.8	26.7	31.3	31.7	23.4	20.8
Excess or shortage of yearlings							6.6	0.8
Calves 0-12 mo. old needed (2 yr. lead)		20.8	26.7	31.3	31.7	23.4	20.8	20.2
Excess or shortage of calves		4.7	1.8		0.3	11.0	14.6	11.6
ases:								
- cows	4532	7909	8904	11395	11325	12230	9991	8889
- yearlings >12 mo.			281	546	688	801	809	583
- heif calves 0-12 mo.		472	183		33	1099	1463	1164
- bull calves	1040	2556	2853	3120	3207	3437	3543	3181
Sub total	5572	10938	12220	15061	15253	17566	15805	13817
- cows		120				931	8181	2513
- vearlings >12 mo.								
Sub total		120				931	8181	2513
Total cattle sales		11057	12220	15061	15253	18497	23986	16329
Cattle purchases		38400	19200					
	htinued): - begin-of-year cows - purchased cows - purchased yearlings - fresh expans'n heif'rs - all other fresh heifers Total cows culled survived from raised and purchased desired herd size and bows at begin of year) - no. of cows - no. of heifers yr. lead + 10%) ge of yearlings d needed (2 yr. lead) ge of calves asses: - cows - yearlings >12 mo heif calves 0-12 mo bull calves Sub total - cows - yearlings >12 mo calves 0-12 mo bull calves	Section	Section Sect	Section Sect	Segmentation Segm	Name	Intinued): 2008 2009 2010 2011 2012 2013 - begin-of-year cows 8 - - 23 17 23 21 22 - purchased cows 8 - - 0 1 - 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 3 1 1 2 2 3 2 1 2 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 3 2 2 3 2 3 2 2 3 3 2 3 2 3 2 3 2 2 3 2 3 2 2 3 2 2 2 2 2 2 2 2 <td< td=""><td> Name</td></td<>	Name