# **HERD NOTEBOOK**

AGRICULTURAL VETERINARY ASSOCIATES, LLC
137 E 28<sup>th</sup> Division Highway
Lititz, PA 17601
717-625-4212



#### Dear Client,

The veterinarians and staff of Agricultural Veterinary Associates LLC thank you for choosing our practice to do your veterinary work. We hope to continue to be part of your operation and most importantly part of your success.

Here are a few recommendations to help provide faster and less expensive service:

- 1. Phone in sick calls between 7:00 am and 9:00 am to avoid incurring a Late-Call charge. Please state when calling in if it is an emergency. After hours, please let the answering service know if it is an emergency.
- 2. Phone in drug or supply orders to be shipped before 1 p.m. Our drug and supply shipping service allows for orders to be shipped the same day if at all possible with a low \$12.00 shipping fee.
- 3. If you require a product to be dropped off the same day as it is ordered, there may be a call charge for delivery if no doctor is in the area. Please plan ahead to avoid this, or you can stop by our office for pick-up (please call first).
- 4. Please have animals restrained when the veterinarian arrives at your farm time is money we charge by the hour.
- 5. Payment will be processed through John Deere Financial, VISA, MasterCard or Discover on the day of service. Payment at the time of service with cash/check will reflect a 2% discount.

#### Services we offer include:

- Traditional sick animal and emergency services
- Serological health profiling
- Embryo transfer
- Routine scheduled production medicine
- Record review and computer record analysis
- Milking machine and milking technique analysis
- Preventative vaccination and parasite control programs
- Production trouble shooting
- On farm surgery-Traditional or Laparoscopic DA corrections
- Quantity purchase pricing
- Help with producer treatment programs
- Advisory service
- Nutritional outlines for production
- Regulatory blood testing
- Slaughter checks
- Full ultrasound capabilities

As always, we encourage your comments and suggestions.

Sincerely,

Brian K. Reed, D.V.M., M.B.A. W. Scott Tillman, M.S., D.V.M. Douglas S. Scipioni, V.M.D. Erick C. Stoltzfus, D.V.M.



## 21 DAY ESTROUS CYCLE OF THE COW

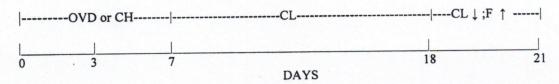
**OVD**: Ovulation Depression develops after the follicle ruptures

**CH**: Corpus Hemmorrhagicum forms when a freshly ruptured follicle contains blood.

CL: Corpus Luteum secrets progesterone to maintain pregnancy. Prostaglandins work as a luteolytic when a CL is present.

F: Follicle is a fluid filled blister that contains the unfertilized egg.

(Numerous follicles are present on the ovary at all times at different stages of maturity)



Day 0: Ovulation → Eruption of the follicle to release an unfertilized egg and a OVD results which can develop into a CH if bleeding occurs.

Day 3 to Day 7: CL forms from ruptured follicular tissue.

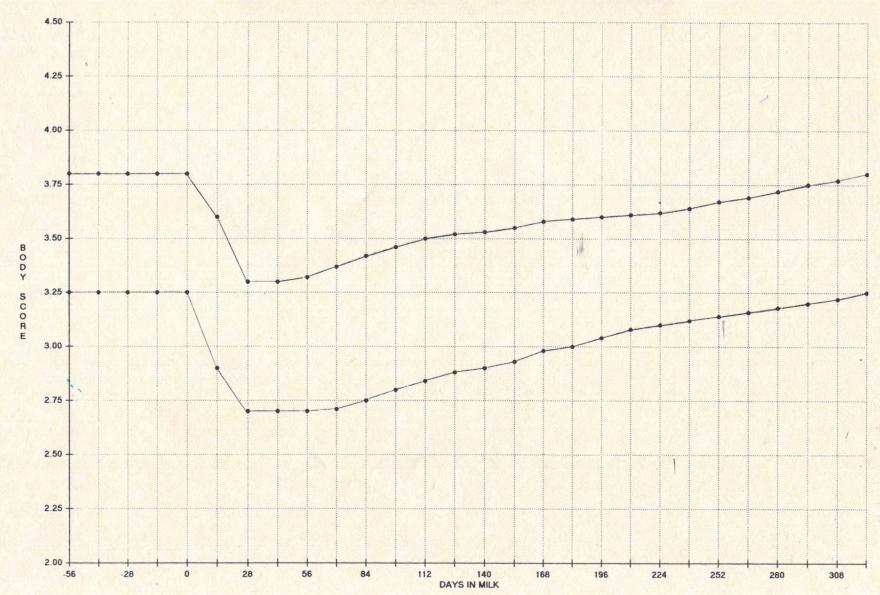
Day 18: CL regresses, if pregnancy is not successful, and a new immature follicle matures.

Day 20: Standing heat observed with ovulation occurring 12 to 18 hours after standing heat.

# AGRICULTURAL VETERINARY ASSOCIATES

PO. BOX 190 DENVER, PA 17517-0190 (717) 738-0519 • 1-800-222-4084 FAX (717) 338-4980

# **BODY CONDITION SCORING**

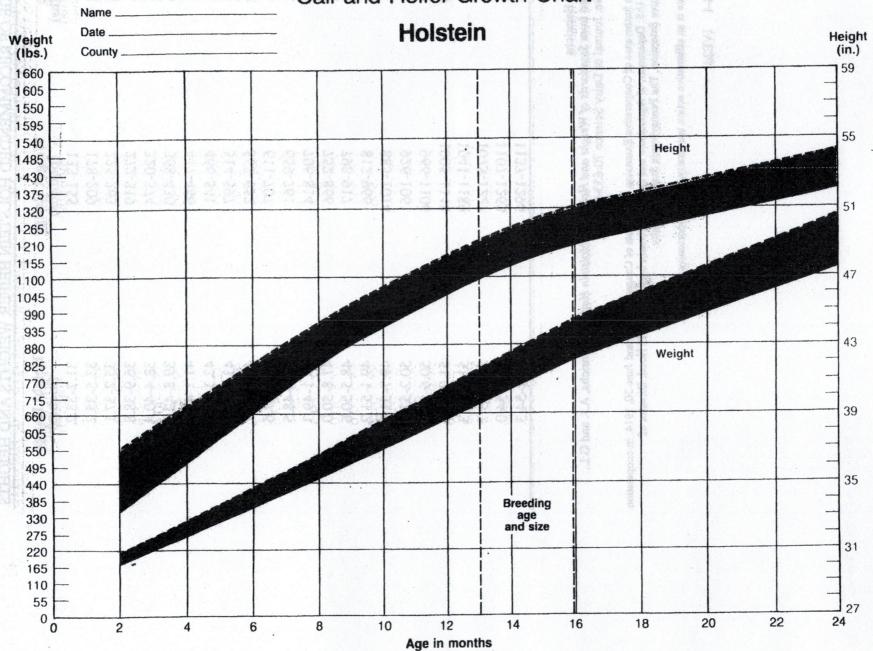




College of Agricultural Sciences • Cooperative Extension

(2/87)

# Calf and Heifer Growth Chart



#### RANGE OF RECOMMENDED HOLSTEIN HEIFER WEIGHTS AND HEIGHTS

Age (months)	Weight Range (pounds)	Height Range (inches)
1	133-155	31.7-33.2
2	178-209	33.5-35.2
3	225-263	35.2-37.1
4	272-319	36.9-38.8
5	320-374	38.4-40.4
6	368-430	39.8-42.0
7	417-486	41.1-43.3
8	466-541	42.3-44.5
9	514-597	43.4-45.7
10	563-652	44.5-46.7
11	611-707	45.4-47.6
12	659-761	46.3-48.5
13	706-814	47.1-49.3
14	752-866	47.8-50.0
15	798-917	48.5-50.6
16	812-966	49.1-51.2
17	885-1014	49.7-51.7
18	926-1061	50.2-52.1
19	966-1106	50.6-52.6
20	1005-1148	51.0-53.0
21	1041-1189	51.4-53.3
22	1075-1227	51.7-53.7
23	1107-1263	52.0-54.0
24	1137-1296	52.2-54.3

By A.J. Heinrichs

Compiled from Standards of Weight and Height for Holstein Heifers, Heinrichs, A.J. and G.L. Hargrove. Journal of Dairy Science 70:653-660.

Issued in furtherance of Cooperative Extension work, Acts of Congress May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture and the Pennsylvania Legislature. L.F. Hood, Director of Cooperative Extension, The Pennsylvania State University.

Penn State is an affirmative action university, equal opportunity university.

DSE-88-4 IVE2d

### CLIENT RECORD & MANAGEMENT SUMMARY

CLIENT RI	LCOK	Dar	VIAINA	AGEN	VIII I	SUL	VIIVIA	.KI				
NAME:	_	HERD CHECK TIME:										
ADDRESS:		HERD CHECK DAY:										
			CI	ERT. I	HERE	ANN	NIV. I	DATE:				
			Н	ERD	SIZE:							
PHONE #:			EMPLOYEES/FAMILY:									
			-	12								
			_						1			
			_									
HERD NUMBER:			_									
	YE	AR _										
MANAGEMENT PRACTICE	J	F	M	A	M	J	J	A	S	0	N	D

MANAGEMENT PRACTICE	J	F	M	A	M	J	J	A	S	0	N	D
												-
				,							-	
												-
												18
							100					
												-
												-
												T
												-
		-			-						-	-

# AGRICULTURAL VETERINARY ASSOCIATES

## FRESH COW DISEASE RECORDS

Date Fresh	Cow ID	Twins	Difficult Calving	Milk Fever	Ret. Plac. Metritis	Displaced Abomasum	Ketosis	Mastitis	Other/ Misc.
					200			-	
					- 1				
			7						
			2"			-			
		,					and the		

<sup>\*</sup>Record date of occurence in appropriate column.

AGRICULTURAL VETERINARY

		OVSYNCH	SCHEDUL	Æ	
ANIMAL ID	GNRH			BREED (SIRE)	OUTCOME
					*
	0				
					<u> </u>
-					
		. 0			
1					
	<u></u>	. 0			
			0		

#### REPRODUCTION PROGRAMS

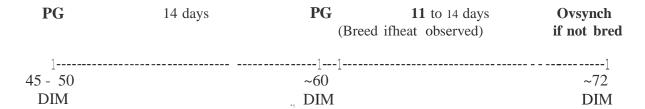
• Fresh Cow Complications: (Twins, Difficult calving, Retained placenta, Metritis)

Iml.to 2m!.								
Oxytocin	1	PG	PG 1	1	PG		PG	1
I	·			<u> </u>	I			
Day 0	Day 1-4		Day '	7 <b>&amp;</b> 8	Day	14		Day 28

Day of calving: 1cc. oxytocin for first 48 hrs. then 2cc to 4cc oxytocin for the next 48 hrs. if needed. May be administered every 2 to 3 hours.

Day 7 pm & 8 am (12 hours apart), Day 14 and Day 28: PG given 1M

#### • Pre-synch Breeding:

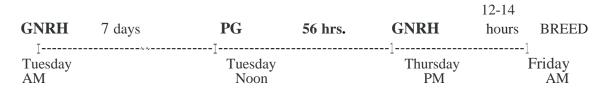


#### • PG3G Program:



• Ovsynch Breeding: To breed cows regardless of heat signs

56 hours = 2 days and 8 hours



Options: 1. **Resynch**: Give **GNRH** 7 days prior to pregnancy checking cows, and if they are open then continue as an Ovsynch.

2. Ovsynch with a CIDR®. Insert CIDR® at time of first GNRH injection, pull CIDR® at time of PG injection.

# AGRICULTURAL VETERINARY ASSOCIATES

1-800-222-4084 1-717-625-4212

Owner/Farm		1 10	

137 East 28th Division Highway Lititz, PA 17543

Date\_\_\_\_

Cow I.D.	Reason to Check	Recommendations
Questions:		And the second second
Comments:		
upplies Need	led:	



### TREATMENT SHEET

I ID:	Date:	c	lient:	<u> </u>		
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pm
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pm
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pm
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pm
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pm
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pm
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pn
		□am□pm	□am□pm	□am□pm	□am□pm	□am□pn
☐ Support Clinical Findings:_	Care: B-Vitamin	s, Probiotics,	Extra Hay, I	Nutritional S	upplements,	etc.
	*			A		
Diagnosis:						
	Withold:			Dr		