## Top Lancaster DHIA Cows By Protein For November

## (Continued From Last Week)

DAVID R STOLTZFUS							
175	GR-H		28,114		785		
CRISSI	GR-H	5-3	29,105	829	895		
	00.0	74	00 610	040	000		
FANNY GR-H 7-1 28,612 849 900 HAROLD & LOWELL BRUBAKER							
TAHARA RH	4-3	25,740	848	910			
MARVIN Z WEAVER		20,140	010	010			
28	RH	4-10	25,449	847	890		
19	RH	5-1	24,213	770	856		
EZRA Z HORST							
115	GR-H		23,500		901		
46	GR-H	5-1	22,050	801	861		
PHILIP G CROUSE	201	4.0	05 047				
JUPITE DELLA	RH	4-0	25,317		855		
ARDIE	RH RH	4-11 3-3	28,460 25,970		759 782		
	nn	55	20,970	//0	102		
67 D	GR-H	7-1	27,622	843	882		
MATILD	RH	5-7	27,475		1096		
LESTER W GEHMAN JR		•••	,	•••			
104	RH	3-4	24,809	843	917		
E RICHARD BRUCKHART							
CUCKCO ,	RH	5-10			903		
SPEMIN	RH	4-4	26,271		797		
SCOOTE	RH	4-3	27,489		749		
BO PEE DARYL + SU MARTIN	RH	4-3	24,869	775	945		
452	GR-H	3-3	25.614	836	926		
441	GR-H	3-5	25,614		943		
EDWARD S SENSENICH	Gren	0-0	24,703	110	0-0		
90	GR-H	4-1	25,976	835	1062		
153	GR-H	4-3	25,515		1028		
WALNUT RUN FARM		••	,				
. 859	GR-H	5-7	29,167	834	1111		
89	GR-H	2-11	26,214	825	1042		
74	RH	3-2	25,833	814	804		
S & A KREIDER & SONS							
	GR-H	5-3	25,571	832	721		
DONALD B TRIMBLE ADORN		3-2	00 000	832	1000		
JUNE		3-2 4-2	23,300 23,310	032 776	1009 1056		
		4-2	20,010	//0	1000		
EMILY	GR-H	5-4	27,129	832	544		
SHADYTOP FARMS							
ALETA	RH	7-5	25,278	829	832		
ALDORA	RH	7-5	22,791	789	884		
KARL W HERR							
103	GR-H	4-3	25,070	829	1011		
JOYCE HARRY H RANCK JR		8-2	23,361	823	1092		
JANICE	ы	0 0	27 109	000	020		
ROHRER BROTHERS	RH	8-8	27,198	828	929		
BETTY	RH	3-11	27,129	828	908		
BERTHA	RH	6-3	24,657	805	953		
GORDON & CAROLE HOOVER			,				
83	GR-H	3-0	27,386	828	926		
DAVID J. KULP			-				
29	RH	3-4	25,534	827	920		
JOHN G GOOD		• -			<u></u>		
JANET	RH	3-2	27,011	827	926		

JOHN B GROFF ELLA	RH	3-0	27,862	826	882
LIZZIE	RH	5-4	26,930	809	1000
AARON R ZEISET				000	1001
17	RH	3-11	24,690	826	1021
HERBERT H BENNER PEACH	RH	5-0	27,997	825	984
DALE L ZIMMERMAN		•••	,		
DUTCHS	RH	6-2	24,609	824	986
PHILIP t LISA RISSER					007
126	GR-H	3-2	23,653	823	887
VERNON W HEISEY SANDY	RH	3-7	27,802	823	872
SANDI		•	,		
1	GR-H	4-9	24,201	782	870
SAMUEL F LONG				700	
MARGIE RH	3-1	27,827	822	799	
ROBERT L & LINDA SENSENIG 22	RH	7-6	25,294	822	965
40	RH	4-11	27,080		818
21	GR-H	3-6	23,090		920
ST U POINT DAIRY					
113	GR-H	3-3	25,228	822	862
NOLA	RH	5-6	26,407	818	891
LEONARD H N MARTIN		<b>.</b>			
THUNDE	GR-H	-	26,999		933
TRIPPE	GR-H		26,057		970
VIRGIE ABNER K KING	GR-H	7-5	24,224	779	996
DIAMON	GR-H	5-6	06 011	820	000
ROBERT D HARNISH	un-n	3-0	26,211	020	920
TONI	GR-H	4-7	25,174	820	898
127	GR-H		25,145		901
EZRA Z. BURKHOLDER		••	20,110		
12	GR-H	4-2	27,082	819	808
43	GR-H	3-2	26,931	809	835
1	GR-H	3-6	22,121	775	895
CHRIST K STOLTZFUS					
HOLLY ROY E SENSENIG	GR-H	5-6	26,569	819	1070
34		24,385	047	004	
54 74	RH	24,300	817 25,485	901 773	949
AMOS S ZOOK		2-3	23,400	113	343
NARY	GR-H	6-5	26,454	817	839
NILLIE	RH	5-2	23.949		951
NELSON R. WISE			•		
KELLY	RH	6-7	26,261	815	903
P ROBERT WENGER					
	RH	8-8	25,272	815	875
CHRIST F BEILER HONDA		4-4	04 707	045	754
JOHN J SPEICHER	GH-H	4-4	24,737	815	754
46	GR-H	5-7	26,346	813	1043
NELSON W NOLT	Gren	<b>J</b> -7	20,040	013	10463
40	RH	3-6	27,321	811	897
ABRAHAM SHELLY JR			,		
BUFFY	RH	3-1	23,184	811	757
DUMBO	RH	3-0	25,497	792	727
NUVIN J ZOOK		_			
RITA	RH	7-3	26,780		1030
MUSIC	RH	6-10	25,978	805	800
r Snrave	r				

## Check Your Sprayer Tune-Up Knowledge

EPHRATA (Lancaster Co.) — We're quickly approaching Sprayer Tune-Up Week, Feb. 21-24. Are you ready to perform the pre-season maintenance and calibration that is so vital to getting the most out of your investment in crop protection chemicals?

A tune-up and calibration is time well spent, according to Dr. Stephen Pearson, technical services manager for Spraying Systems Co., maker of TeeJet<sup>®</sup> spray products and sponsor of Sprayer Tune-Up Week, now in its fifth year.

"A few hours spent now tuning up your sprayer pays big dividends;" Pearson said. "By calibrating your sprayer and ensuring accuple, a sprayer control kit makes it easy to precisely control boom sections from the cab. Or triple nozzle bodies, which hold up to three tips, allow them to be switched in the field with just a turn of the wrist.

Before you head out to the machine shed though, check your sprayer tune-up knowledge. If the answers surprise you, see your local equipment dealer, Extension agent or vo-ag teacher for information on sprayer tune-up techniques.

1. On average, what percent of farmers over-apply crop protection chemicals by more than five percent of the intended rate? a. 2% b. 5% c. 10% d. 25%

a. 2% b. 3% c. 10% d. 25%
2. How long does a thorough sprayer calibration take?
a. ½ hour b.1 hour c.4 hours d.1 day
3. How many times should sprayers be calibrated each year?
a. 1 time b. 2-3 times c. 5-6 times
d. 8-12 times
4. When should worn or damaged tips be changed?
a. when the day's spraying is com-

## pleted

pieceu
b. immediately
c. when the spraying season is over
d. when time allows
5. What's the best way to deter-
mine whether a nozzle is worn?
a. calibrate the sprayer
b. look at the nozzle
c. insert a wire to check opening size
d. none of the above
6. Calibration includes
a. checking tractor speed
b. calculating nozzle flow rate
c. adjusting pressure
5 01

d. all of the above 7. Chemical containers must be pressure rinsed for 30 seconds or rinsed\_\_\_\_\_time(s) before disposal. a.1 b.2 c.3 d.4

or	November					
	GERALD MARTIN KAREN	RH	8-0	23,452	809	915
	JAY E LANDIS LARISS	RH	4-0	24,892	809	846
	CURTIS E AKERS & SON PRIDE	RH	5-6	25,949	809	861
	PEARL JERE L RUTT	RH	2-11	23,380	805	914
	308 KREIDER'S & NICKLE	GR-H	5-0	25,793	809	798
•	173 139	GR-H GR-H		23,414 22,062		968 861
	123 PENS PEACEFUL MEADOW	RH	7-4	24,657		820
	812	RH	6-2	26,981	805	886
	MISTI KNOLL FUN 56	RH	4-11	26,419	805	723
	AMOS K KING FREDA	GR-H	6-1	25,941	805	929
	EUL & ANNA NAE REIFF					
	GRACE JAY V FUNK	GR-H	8-0	26,504	804	. 845
	98 CLAIR & JANET NOLT	GR-H	6-5	25,052	804	693
	CANDI MAINE	GR-H GR-H		27,085 25,937		727 767
	HAZEL THOMAS ARROWSMITH	GR-H	3-10	23,995	780	876
	TEE ELVIN L KURTZ	RJ	11-3	20,316	803	952
	CARMEL KITTEN	RH RH	5-10 2-2	24,642 24,219		1004 754
	BREEZYVIEW JERSEYS IRENE	RJ	2-0	20,427	800	940
	MARTIN WEAVER JR SUSY	RH	4-1	22,766	798	988
	SUNNY ACRES L STACY	RH	6-7	24,648	798	935
	JEFFREY LAUNGST NOR	RH	4-1	22,923	797	874
	JAMES+JANET ZIMERMAN TIDY	GR-H	4-2	26,952	797	993
	BENUEL F BEILER BEA	RH	3-0	24,277		913
	SPRING LAWN FARM 35	RH	3-0	24,935	794	807
	DONALD B TRIMBLE 20	GR-H	4-9	23,396	793	1008
	STEPHEN F STOLTZFUS SHIRLE	GR-H	4-4			889
	RIDGE VIEW FARMS	RH	5-1	26,559	790	838
	53 R BRYAN BALMER	RH	3-1	25,523	780	747
	176 DONALD N ECKMAN	GR-H	3-5	26,717	790	779
	56 ALFRED N WANNER JR	GR-H	5-5	26,409	785	893
	SHELLY ROBERT MARTIN	GR-H	8-8	26,841	784	<b>64</b> 6
	59 DEAN L GROFF	GR-H	3-3	23,969	783	706
	KAND76 TIMOTHY L WEAVER	RH	3-4	24,308	781	782
	97 KREIDER DAIRY FARMS	RH	4-0	25,800	781	780
	2109 NOAH N MARTIN	GR-H	3-1	24,339	780	953
	MIDGE PAUL B ZIMMERMAN	GR-H	3-2	23,356	779	868
	TURBO MELODY LAWN F FARMS	RH	5-4	24,782	778	1001
	TISH TRIXSE	RH RH	5-7 4-4	25,002 26,285	778 773	926 801
	JOCKY EMANUEL S SMUCKER	RH	3-0	21,390	771	859
	JOICE AMOS E KING JR & SON	RH	4-7	25,130	778	790
	MARGIE LLOYD B SENSENIG	RH	5-0	23,629	777	819
	JEAN JANELL	RH GR-H	4-6 6-3	23,690 22,001	777 775	913 906
	DENNIS L MARTIN GALE	RH	3-2	24,438	776	805
	PHILIP + KIN HURST					
	108 G UY L STOLTZFUS	GR-H	4-2	25,846	776	824
	132 54	GR-H -GR-H	4-2 6-2	23,963 24,469	776 775	822 844
	109 RICK t MIM BRENNENAN	GR-H	5-5	22,910	770	945
I	MATTEL NEIL Z MARTIN	GR-H	3-10	23,416	776	803
,	58 WILNER HORST	GR-H	3-3	23,566	776	910
•	61 JONAS B STOLTZFUS JR	GR-H	3-7	25,398	775	909
	FAITH ANDREW G MILLER	GR-H	3-4	26,212	775	585
	118 MRON B LANTZ	GR-H	6-1	25,015	774	869
	NAOMI SUZ	RH RH	5-6 4-1	23,383 22,680	774 774	888
6	EL-DELL FARM	RH	4-1 8-3	22,680	774 774	865 876
E	EUL N LANDIS MADELN	RH	а-з 2-10	20,349	774 774	876 950
E	SEN G LANTZ JANICE	RH	2-10 4-10	21,528	774 774	950 811
١	ERNON N MARTIN MATTY	RH	4-10 6-11	23,909		811 799
5	JOY SAMUEL E BEILER	RH	4-2	23,909 24,828	773 771	799 772
	LOVINA BNER K GLICK	RH	6-8	25,862	773	975
	PEGGY IODNEY DENLINGER	GR-H	6-2	24,155	773	731
	FLOSSI ÆLVIN L BEILER	RH	5-7	25,951	771	841
	MICKEY	RH	4-10	25,176	771	1 <b>05</b> 0

rate application rates many applicators can save as much as \$5 per acre on each chemical they apply."

Sprayer Tune-Up Week is also the ideal time to do those sprayer maintenance chores that will help prevent frustrating breakdowns later, Pearson said. It's a good time to upgrade your equipment and add convenience and safety. For exam-



8. When spray nozzles wear out, a. over-application occurs b. patterns become uneven and spray coverage is poor c. potential for chemical waste, crop burn and environmental risks increase d. all of the above 9. Spray distributed in \_\_\_\_\_is more likely to drift. a. a stream b. large droplets c. a fine mist d. none of the above 10. To double sprayer output, you must increase pressure time(s). a.1 **b.2** c.3 d.4 (Answers: 1-d, 2-b, 3-b, 4-b, 5-a, 6d, 7-c, 8-d, 9-c, 10-d)