

DHIA MONTHLY REPORT

(Continued from Page 25)

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Allen Lee Stoltzfus						
Maple	RH	7-4	305	15,230	4.0	616
Lois	RH	5-8	305	16,973	3.6	605
K. D. & Else Linde						
Fanny	GrG	5-3	305	15,267	4.0	614
Carl G. Troop						
Pansy	RH	7-9	305	14,459	4.2	614
Ivan N. Newswanger						
Jinny	RH	4-1	305	15,801	3.9	613
Kreider & Trimble						
MaryAnn	RBrSw	10-4	305	14,955	4.1	613
Lloyd Wolf						
Posey	RH	2-9	305	13,222	4.6	613
Mark P. Stoltzfus						
Betty	RH	7-4	305	14,942	4.1	612
Kenneth A. Skiles						
Hattie	RH	3-11	305	15,875	3.8	611
M. Irvin Eberly						
Dictor	GrH	3-6	305	15,508	3.9	611
Melvin R. Stoltzfus						
Donna	GrH	5-10	281	15,481	3.9	611
Robert W. Ulrich & Son						
Dolly	GrJ	5-7	305	13,757	4.4	611
Leon G. Schnupp						
93	GrH	4-8	305	17,028	3.6	610
Paul & Esther Farrel						
Lois	GrH	8-0	305	16,920	3.6	610

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Ellis K. Mentzer						
L. Power	RA	5-6	305	14,324	4.3	609
Raymond M. Hoover						
Blue	RH	9-1	305	17,304	3.5	605
Roy H. & Ruth H. Book						
H. Della	RH	12-9	305	14,977	4.0	606
Jonas E. Zook						
Ginny	RH	8-1	299	18,294	3.3	604
Sofia	RH	3-4	289	15,033	4.0	603
Lester M. Hawthorne						
Blacky	RH	6-5	305	18,003	3.3	603
Walnut Run Farm						
Nina	GrH	7-6	305	17,146	3.5	602

HIGH DAILY BUTTERFAT AVERAGES

Name	Breed	Days On Test	No. Cows	% In Milk	Milk Lbs.	% Test	Fat Lbs.
Donald S. Eby	RH	28	45.0	92.9	49.7	4.2	2.08
John Omar Stoltzfus	R&GrH	35	32.5	99.8	55.0	3.7	2.02
Amos E. King Jr.	RH	34	30.0	94.1	56.1	3.6	2.01
John & H. Farrington	RH	30	31.4	90.8	53.4	3.7	1.98
J. Eby Hershey	RH	33	36.2	97.8	49.6	4.0	1.97
Benjamin B. Fisher	R&GrH	34	15.9	97.6	51.0	3.8	1.96
John S. Yost	RH	30	36.0	88.9	44.9	4.4	1.96
Dale E. Hiestand	RH	37	33.9	89.3	49.6	3.9	1.93
Leon S. Lapp	RH	25	30.2	92.7	51.7	3.7	1.93
Samuel F. Sauder	R&GrH	28	38.1	94.7	53.1	3.6	1.91
Elmer E. Kauffman	R&GrH	31	31.3	93.7	52.2	3.6	1.89
Samuel F. Long	R&GrH	31	44.4	92.9	50.0	3.8	1.89
Elam P. Bollinger	RH	28	42.9	87.2	49.9	3.7	1.87
Nathan E. Stoltzfus	R&GrH	22	53.0	90.8	43.7	4.2	1.85
James W. Bowman	R&GrH	31	33.5	94.2	46.3	4.0	1.83
Ralph Myer & Sons	R&GrH	24	60.0	89.0	49.6	3.7	1.83

New Herbicide Aids Wildlife, Forest Growth

A forest ecologist at Pennsylvania State University has "put it all together" to improve timber stands while maintaining suitable wildlife food and cover.

The chief biological tool is pelleted fenuron herbicide, effective in killing stands of "weed" trees without leaving harmful residues while permitting desirable seedling trees to grow rapidly.

Five years of experiments with fenuron herbicide were described recently by Dr. Robert D. Shipman of the School of Forest Resources at Penn State during annual meetings of the Northeastern Weed Science Society in New York.

The findings showed no harmful effects on non-target organisms such as insects, wildlife, and man.

Dr. Shipman indicated the pelleted fenuron killed undesirable trees over a five year period while enabling two-year-old Japanese larch seedlings to grow 8 to 10 feet tall. In contrast, larch seedling planted in areas not treated with fenuron were only 18 inches tall in five years.

Japanese larch was chosen for its "deer-proof" growth and for high yields of wood per acre, acceptable pulpwood, and suitability for genetic improvement. If the terminal bud is eaten by deer, the tree produces another the following year.

A grid or row application of 15 pounds of pelleted fenuron per acre appears to produce the greatest height among planted larch, Dr. Shipman said. The pellets were applied in three ways — broadcast, grid, and in strips or rows between the planted seedlings.

As hoped for, sprouts of young red maple and sassafras developed on the forest floor and were browsed by deer. This proved it is possible to have both heavy deer populations and desirable new forests in the same area.

After five years the larch were lush green and were unharmed by the herbicide. The "weed" trees, mostly 50 and 60 year-old low grade oaks of four to eight inches in diameter, died gradually. Their branches and bark fell to the forest floor, forming a mulch to enrich the soil and conserve moisture for growing the seedling larch.

Even at excessively high rates, only insignificant residues of the herbicide remained in the soil within five months after application. Of three variables used in testing possible residue — soil depth, soil texture, and herbicide rate — only the rate of application appeared significant.

Dr. Shipman indicated prospects are good for salvaging the debarked trees for pulpwood. He anticipates that large-scale experiments will be undertaken at Penn State with this technique of using pelleted fenuron to improve timber and wildlife production.

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- Orchard Grass
- Reeds Canary Grass
- Ky. Blue Grass
- Red Top
- Crown Vetch
- Pasture Mixtures

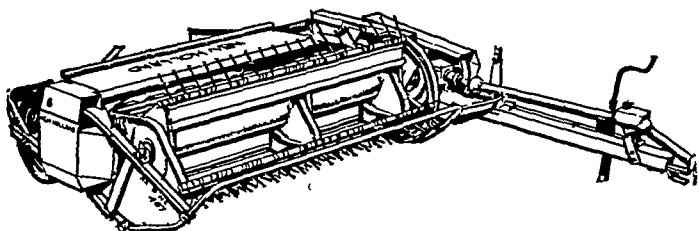
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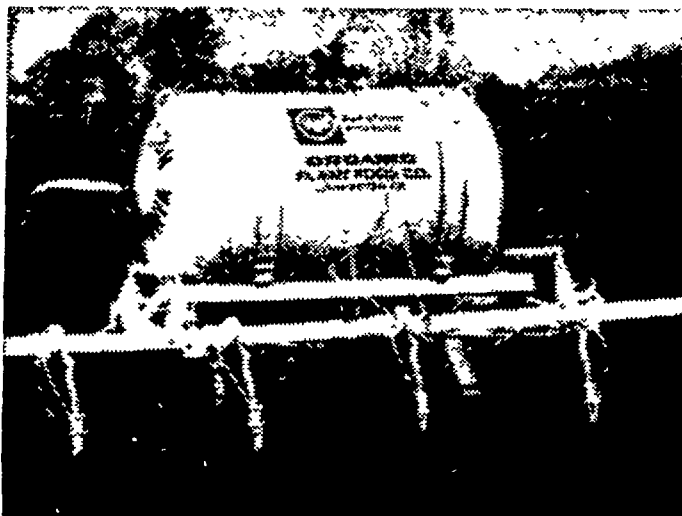
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