

DECEMBER, 1916.

INSPECTION CIRCULAR NO. 2

# AGRICULTURAL EXPERIMENT STATION.

## KANSAS STATE AGRICULTURAL COLLEGE.

### STATE LIVE STOCK REGISTRY BOARD

#### Some Important Essentials in Profitable Horse Production

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On January 1, 1916, \$2,150,468,000 was invested in horse stock in this country as compared with \$3,332,144,000 in cattle, swine, and sheep combined. In spite of this enormous investment, too little attention has been given to the kind of horses raised, as the average value in the United States on January 1, 1916, was only \$101.60. Yet statistics have shown that it costs \$104.06 to raise the average horse until he is three years of age. This is a deplorable state of affairs.

Possibly one reason for having made so little progress in improving the general average of farm horses is the fact that most producers are raising horses for service on their own farms and are giving very little attention to the cost of production, cost of maintenance, and amount of service rendered. Such producers fail to appreciate the difference in efficiency between different types of horses, the difference in the cost of labor rendered by horses of different types, and the difference in the profits from sales of horses of different types, and continue year after year to breed mares with little thought as to the kind of horses they will raise. On the other hand, the producer of cattle, swine, and sheep is raising a product that will be sent to market at the earliest age possible. It is only natural that he give more attention to the cost of production and exert a greater effort to produce a more efficient and profitable animal. Another important reason for much of the carelessness and lack of interest in the kind of horses is a feeling more or less prevalent in many localities that there is no market for good horses. This opinion is due to a general lack of authentic information regarding the horse supply and the demand of the country today. Where this idea is prevalent, the producers fail to appreciate the fact that there is no longer a demand for horses of certain types, but that horses of other types are in greater demand at better prices than ever before. Tractors have no doubt caused some apprehension regarding the future of the horse, but careful observation and experience are proving that the tractor will never decrease the need for good, sound, heavy horses. Such horses have increased in value ten percent during the past ten years, according to the Chicago horse market reports. All horses passing through that market in 1905 that would classify as drafters, including the good, bad and indifferent, averaged \$186 per head. In 1915 the same class of horses averaged \$205 per head. The demand for horses on farms and the influence this demand exerts in making horse values is shown by the fact that under normal conditions only 1.5 percent of the horse population of the country passes through the central horse markets annually.

Many of the simple essentials of profitable horse production have been neglected in horse raising operations. More horses continue to be raised in a haphazard manner each year, the annual colt crop reaching into millions, yet only a few thousand are bred and fed with sufficient thought and care to insure the development of really high class farm horses. To conduct a business with such result is unfortunate as well as unprofitable, but it is encouraging to note that certain types of horses are a profitable farm product. This profitable type is the sound, good looking, bold going, easy keeping, durable horse weighing in working condition 1,500 pounds or over. Such a horse not only meets the needs for efficiency and economy in farming operations, but it also sells for the high dollar on the open market. Market reports show that the bigger they are the better the prices, providing size is combined with quality and substance. The following is typical: "Common 1,300 to 1,400 pound chunks, \$165 to \$185; medium weight (1400-1500) chunks with flesh and quality, \$190-\$215; and heavy weight (1500-1600 pound) chunks \$200-\$225. Horses weighing 1,600 pounds or more ready to go to work, \$275-\$350."

If the horse raiser hopes to raise the most efficient farm horse which is also the most profitable market horse, he must observe more carefully the fundamentals in profitable horse production. Some of the most important are:

First, he must observe more closely changing economic and market conditions which affect horse demand, value and prices.

Second, he must appreciate more thoroughly those features of conformation and soundness that make a horse a good individual.

Third, he must study more carefully the various types of horses, that he may be able to select the efficient and profitable type.

Fourth, he must consider more thoroughly the cost of production. Today the average horse breeder of this country is raising a \$101 horse at a cost of \$104.

Fifth, he must learn to appreciate more fully the value of good, sound, pure-bred sires.

Sixth, he must retain for breeding purposes the best mares at his command if he would produce the most profitable kind of horse.

Seventh, he must learn to feed his colts more liberally from the time they are old enough to eat, bearing in mind that the feed and care the colt receives during the first year and a half of its life, and particularly during the first winter, determine very largely what that colt will be at maturity.

Eight, he must give more attention to the care of his horses, especially the brood mare. The fact that only one colt is raised from every three mares mated means a tremendous loss to horse production.

Ninth, he must take a more active interest in local horse and colt shows since there is nothing equal to a good horse and colt show to stimulate a keener interest in better horses.

Tenth, he must appreciate more fully the value of community co-operation. Each essential previously mentioned is important, but horse production can never reach its full achievement without the combined effort of the community.

## DICKINSON COUNTY

### LIST OF STALLIONS LICENSED FROM OCTOBER 1, 1915 TO OCTOBER 1, 1916.

Owner	Postoffice	Name and Number	Foaled	Breed	License No.
<b>PURE-BRED</b>					
Ausherman, H. S. ....	Talmage, R 1.....	Czar 107309 .....	1913	Percheron ...	3915
Becott, E. L. ....	Solomon ... ..	King Sim 47675 .....	1907	Standardbred ...	2096
Becott, E. L. ....	Solomon ... ..	Capper 81825 .....	1911	Percheron ...	2097
Blackwelder, S. P. ....	Chapman, R 1.....	Duke 96980 .....	1912	Percheron ...	511
Blackwelder & Taylor ..	Chapman, R 1.....	Toby 5071 (58748) .....	1908	Belgian ...	512
Bleakley, J. J. ....	Abilene, R 3.....	Montpellier 75458 .....	1904	Percheron ...	224
Brewer, C. W. ....	Elmo, R 1.....	Codo II 40289 .....	1903	Percheron ...	2308
Cheney, C. E. ....	Manchester, R 2....	Allerton 64659 .....	1903	Percheron ...	4678
Cheney, C. E. ....	Manchester, R 2....	Dooley 109273 .....	1913	Percheron ...	4674
Clewell, I. H. ....	Abilene ... ..	Colonel Robert 38845 .....	1902	Standardbred ..	24
Cryderman, Geo. L. ....	Solomon ... ..	Armor 80149 .....	1916	Percheron ...	5264
Cryderman, Geo. L. ....	Solomon ... ..	King 72224 .....	1909	Percheron ...	5265
Czarnowsky, B. O. ....	Herington ... ..	Merit 67051 .....	1908	Percheron ...	3714
Dieffenbaugh, J. E. ....	Talmage, R 1.....	Chambouder 45400 .....	1903	Percheron ...	3362
Duncan, Wm. ....	Elmo, R 1.....	Bon Chose 24812 .....	1911	French Draft ..	3541
Eaglen & Carroll .....	Chapman ... ..	Big Ben 21618 .....	1910	French Draft ..	3467
Etherington, Geo. ....	Abilene ... ..	Dixie's Sym 55444 .....	1910	Standardbred ..	3892
Etherington, Geo. ....	Abilene ... ..	Billhurst 54074 .....	1910	Standardbred ..	3895
Flanagin, F. W. ....	Chapman, R 3.....	Docile 28894 (45474) .....	1897	Percheron ...	2159
Flanagin, F. W. ....	Chapman, R 2.....	Gordon 51350 (71222) .....	1906	Percheron ...	3453
Foster, G. B. ....	Abilene, R 4.....	Lair 115640 .....	1914	Percheron ...	1293
Garten, C. E. ....	Manchester ... ..	Mark 34813 .....	1913	Percheron ...	3409
Goodnight, E. ....	Enterprise, R 2....	Corbit 112845 .....	1914	Percheron ...	1723
Horacke, Constant .....	Hope, R 2.....	..... 46678 (58657) .....	1903	Percheron ...	1690
Gunn, K. ....	Herington, R 1....	Pilot 17342 .....	1906	French Draft ..	3478
Harris & Van Horn .....	Solomon ... ..	Trampever 56859 .....	1911	Standardbred ..	1843
Healy, James B. ....	Hope, R 1.....	Gentry Star 52209 .....	1909	Standardbred ..	3713
Holland Horse Co.					
Care Bell, Clom .....	Abilene, R 2.....	Black Boy 59832 .....	1908	Percheron ...	3987
Hoover, A. T. ....	Abilene, R 5.....	King 88156 .....	1912	Percheron ...	4126
Kauffman, Isaac .....	Abilene, R 1.....	Tricot 93307 .....	1912	Percheron ...	2328
Kauffman, Isaac .....	Abilene, R 1.....	Orphan Boy 719 .....	1903	Hackney ...	2329
Kauffman, Isaac .....	Abilene, R 1.....	General 27007 (45350) .....	1899	Percheron ...	2330
Knapp, Wm. C. ....	Chapman, R 1.....	Int'me 86129 .....	1911	Percheron ...	3521
Koenig, Louis .....	Solomon, R 2.....	Mentor 67954 .....	1909	Percheron ...	2446
Landin, A. ....	Abilene, R 6.....	Coco 13918 .....	1901	French Draft ..	203
Langley, I. G. ....	Abilene ... ..	Velvet King 62523 .....	1909	Standardbred ..	2221
McCosh, F. E. ....	Talmage, R 1.....	Epataub 51344 (65404) .....	1905	Percheron ...	1552

KODSON, G. A. & F. D. ....	Canton, R 1.....
Rock Bros. ....	Hope, R 1.....
Rufener, A. ....	Elmo ....
Ryan, L. B. ....	Detroit, R 2.....
Ryan, L. B. ....	Detroit, R 2.....
Ryan, L. B. ....	Detroit, R 2.....
Sandow, Wm. ....	Dillon ....
Schlesener, Herman ....	Hope, R 3.....
Sprecher, Ed ....	Dillon, R 1.....
Stegeman, W. W. ....	Hope, R 1.....
Stegeman, F. A. ....	Hope ....
Stegeman, F. A. ....	Hope ....
Stegeman, E. A. ....	Hope, R 1.....
Sword, Melvin ....	Detroit, R 1.....
Tobin, M. P. ....	Solomon, R 3.....
Vahsholtz, John C. D. ....	Hope, R 4.....
Westrup, A. G. ....	Woodbine ....
Young, Thomas ....	Manchester, R 2.....
Ziebell, H. F. ....	Herington ....

Debenham, E. Q. ....	Wakefield, R 5.....
Etherington, George ....	Abilene ....
Etherington, George ....	Abilene ....
Foster, G. B. ....	Abilene ....
Frisk, Alvin ....	Woodbine, R 1.....
Howie, James ....	Abilene, R 3.....
Lenhart, Paul ....	Abilene, R 1.....
McCoy, O. O. ....	Abilene ....
Miller, Auston ....	Abilene, R 7.....
Meyer, L. E. ....	Chapman, R 4.....
Ryan, L. E. ....	Detroit, R 2.....
Scherer, C. A. & Sam L. ....	Chapman, R 2.....

Allen, Kelley ....	Abilene, R 5.....
Baer, D. J. ....	Abilene ....
Baer, D. J. ....	Abilene ....
Higden, W. B. ....	Talmage ....
Lenhart, S. H. ....	Abilene, R 2.....
McCoy, R. E. ....	Woodbine ....
Mustard, W. H. ....	Talmage, R 1.....
Nottorf, W. E. ....	Dillon ....
Schlesener, G. ....	Hope, R 4.....
Dyke, Allen Van ....	Abilene, R 4.....
Westrup, A. G. ....	Woodbine ....

Black Dixon 104762 .....	1913	Percheron	4441
Levite 101589 (38016) .....	1911	Percheron	619
Tommy Ryan 49269 .....	1907	Standardbred	3303
Gervais 33099 .....	1902	Percheron	3310
Sam Devon 62334 .....	1912	Standardbred	3311
Mandarinat 91995 (105869) .....	1912	Percheron	4162
Chesterfield 91526 .....	1911	Percheron	4873
Karnatic 91235 (94676) .....	1910	Percheron	336
Johannot 91204 (87471) .....	1909	Percheron	966
Dewy 111528 .....	1913	Percheron	3377
Johnson 80540 (84612) .....	1909	Percheron	3378
Black Jumbo 25429 .....	1912	French Draft	4311
Certain 27056 (46921) .....	1899	Percheron	1592
Tobe 97462 .....	1912	Percheron	3807
La Mont 33005 .....	1902	Percheron	2239
Ashland Volo 54027 .....	1910	Standardbred	69
Leber 12983 .....	1906	Clydesdale	586
Harem 37353 (77551) .....	1907	Percheron	3479

**GRADE**

Dick .....	1905	Grade Percheron	4859
Duke .....	1902	Grade Shire	3892
Black Prince .....	1902	Grade Percheron	3894
Joe .....	1905	Grade Percheron	1297
Toby .....	1902	Grade Belgian	3530
Rube .....	1907	Grade Shire	5123
Diamond .....	1909	Grade Percheron	2327
George Washington .....	1910	Grade Percheron	2876
Dewey .....	1910	Grade French Draft	4982
Dick .....	1911	Grade Percheron	811
Buster Brown .....	1908	Grade Percheron	3309
Dan .....	1910	Grade French Draft	4006

**SCRUB**

Mack .....	1902	Scrub	4451
Duke Snowflake .....	1902	Scrub	2325
Black Morg .....	1906	Scrub	2326
George H. Jr. ....	1900	Scrub	3145
Max .....	1911	Scrub	4712
Bob .....	1906	Scrub	1256
Prilliant .....	1903	Scrub	2453
Caddo .....	1910	Scrub	310
Dan .....	1913	Scrub	4156
Pill .....	1913	Scrub	4133
Lon .....	1908	Scrub	70