



Farmers' Exchange

Breeders Cards
(7 Cents a Word, Cash With Order)
Each Initial, Number or Amount Counts as a Word



LIVESTOCK

BERKSHIRES

Exceptionally Fine 1 to 4-month-old Berkshires Boars and Gilts—Royalty bred, registered in your name, and satisfaction guaranteed. Reduced price \$20 each. Hillcrest Farm, Clarksville, Va.

DUROC-JERSEYS

Duroc-Jerseys—7 months, \$8 to \$10. V. Davis, Palmyra, Va.

Duroc—All ages. Indian Creek Duroc Farm, Cross, N. C.

For Sale—Two Good Registered Duroc-Jersey Sows—cheap. H. Y. Cox, Hamsey, N. C.

Duroc-Jersey Gilts—Big type, Orion's blood, 80 lbs., \$20. Satisfaction guaranteed. Fine View Farm, Chalybeite Springs, N. C.

Duroc Are Profitable—But a pig must be 12 weeks old before you can cash in. You can make ready money now soliciting subscriptions for The Progressive Farmer.

HAMPSHIRE

Hampshires—Bred Gilts, Sows, Pigs—Champion blood. Mayer, Route 7, Charlotte, N. C.

For Sale—One Registered Hampshire boar, 16 mos. old; also 2 Hampshire gilts, 9 mos. old; and a few nice pigs, hogs and gilts, not related. Write for prices. P. C. Harrell, Roanoke, N. C.

Hampshires Work for You—But you must work for them first. They pay you for this work after they grow up. The Progressive Farmer pays you as you work. Do you want a job? Write us today.

O. I. C.'s

O. I. C.'s—Fine Purebred Boar Pigs—From prize-winning stock; weight 100 lbs. or more. W. C. Tucker, Woodridge, Va.

Extra Choice O. I. C. Pigs—10 weeks old \$12.50 each. Registered in your name. Satisfaction guaranteed. I. E. Bass, Lumberton, Miss.

POLAND-CHINAS

Order Quick and Get Best Poland-Chinas at Reduced Prices—Circular free. Sunny-side, Jonesville, Va.

Big Registered Poland-Chinas—Bred sows, gilts, service boars, pigs. Guaranteed. McMahan Bros., Sevierville, Tenn.

Profitable Big Type Poland-Chinas—Bred sows, bred and open gilts, service boars and pigs—Priced to sell. Hickory Grove Farm, Conover, N. C.

Big Type Poland-Chinas—Sows and gilts, bred to a prize-winning sire of laborator. Also service boars, and all pigs. Everything guaranteed. Seedland, J. B. Douthett, Jr., Pendleton, S. C.

Registered Big Type Poland-Chinas—Pigs, weight close to 150 lbs., out of 800-lb. sow, price \$30 each, either sex; also big sows, bred \$100. Satisfaction guaranteed. Old Dominion Stock Farm, Jonesville, Va.

There's Money in Poland—But you won't get it until next spring. You can get your Christmas money dead easy by working for us. We need men, women, boys and girls. Write for our money-making proposition. The Progressive Farmer.

Two Hogs Free—Poland-China Farm offers you a number for the asking, if you grow Poland-Chinas. Write today. We mean what we say, and you may get that pair from our 500 purebred Big Type Poland-Chinas. H. L. McKelvin & Sons, Fairfield, Nebraska.

Notice—Bargain Day—The following stock is by our 1,000-lb. Timm's Model, and out of massive Western sows. 10-week-old pigs, \$17.50; 3-month pigs, only \$20; \$100 head sows, now \$60; \$100 800-lb. boars, now \$80. Registered, immuned, and guaranteed. Order from this advertisement. E. O. Hunter, Winston-Salem, N. C., Route 7.

TAMWORTHS

One Registered Tamworth Boar and Sow and 4 Pigs. R. T. Howie, Asheville, N. C.

ABERDEEN-ANGUS

For Sale—Registered Angus Cattle—All ages. Allen Bros., Chattanooga, Tenn.

Angus Bulls—Ready for service; also bull calves of excellent breeding and individuality. Boedales Stock Farm, Jefferson, Va.

HEREFORDS

One Registered Hereford Bull—5 years old, good size, priced reasonable. Courd F. Molsinger, Route 5, Winston-Salem, N. C.

HOLSTEINS

Big Bargains in Holsteins—See Broad Acre Farm advertisement on Livestock Page.

JERSEYS

Registered Jersey Bull—5 months old December 1st. J. E. Brannon, Irman, S. C.

For Sale—Richly Bred, Registered Jersey Bull—3 months old, \$100. B. R. Tilling, Trenton, S. C.

Jersey Bull—Bought of North Carolina Agricultural College. Will sell at your price. Write J. F. Pollard, Greenville, N. C.

Registered Jersey—Also bred Jerseys—Service bulls of individuality. Also fresh cows and heifers. Hickory Grove Farm, Conover, N. C.

Registered Jersey Cattle—Accredited herd. Bulls out heavy producing dams. One now ready for service. Prices reasonable. Satisfaction guaranteed. Jos. M. Samuels, Orange, Va.

TWO OR MORE BREEDS

235 Grade Pigs and Sows—From large stock and good blood. Priced low. Chas. Crafton, Staunton, Virginia.

Hereford Cattle, Hampshire Sheep, Mulefoot and Spotted Poland-China Hogs. Chas. Thompson, Westport, Indiana.

For Sale—Combines Poland-Chinas and Durocs—We can supply you with good breeding stock, either above breeds, reasonable prices. Combabe Co., White Hall, S. C.

PET STOCK

DOGS

Six Guaranteed Hounds—\$50 to \$100. Chas. Crafton, Staunton, Va.

Four Male Sheppard Pups—\$5.50 each. S. B. Broom, Monroe, N. C., Route 1.

For Sale—One good bound dog, cheap. Write Paul McDonnell, McDonnellville, S. C.

Two Male Collie-Shepherds—6 months and 6 years. Either for \$10. Isom Dimmette, Lumburg, Va.

For Sale—A Purebred Male Pointer—3 years old, soon retired, \$50 cash. Write to R. N. Hodgin, Ramsey, N. C.

Wanted—A No. 1 Bird Dog—Better or Pointer—Well broken, good hunter, and priced right. Full description in first letter. Lock Box 122, Durham, N. C.

Need Help?—A White Collie will drive stock, protect home and family, and a pair will raise many valuable pups. Work's best strains; most reasonable prices. Roseland Kennels, Burkeville, Va.

RABBITS

Belgian Hares—\$2.50 each. N. J. Stephenson, Route 4, Raleigh, N. C.

For Sale—California Fur Rabbits—Write for price. Jas. A. Newton, Fayetteville, N. C.

Rabbits—10-50 per cent discount on Belgians, Flemish, New Zealand, American Blues, Himalayans, and others. Edna May Carroll, Crosthorne Rabbitry, Box 768, San Antonio, Texas.

POULTRY AND EGGS

CORNISH

Dark Cornish Cockerels for Sale. Bud Stockner, Burkeville, Va.

CUBAN GAMES

For Sale—Red Cuban Games—Stags and pullets. L. E. Newborn, Grifton, N. C.

LEGHORNS

White Leghorns—Cocks, cockerels, mated pens. Curtis Russell, Guntersville, Ala.

Finest S. C. White Leghorn Cockerels—\$3 and \$5 each. Maymie Coleman, Hamer, Tenn.

S. C. Brown Leghorn Chickens—Good layers, \$2 each. George E. Pearce, South Mills, N. C.

Fine S. C. Brown Leghorn Cocks—Purebred, \$4 each. Mrs. Judson Williamson, Bedford, Va., Route 3.

For Sale—White Leghorn Yearling Hens—\$2 each. Black Leghorn cockerels, \$5 each. J. L. Hardin, Emory, Va.

S. C. White Leghorns—46 pullets at \$2.50 each; 80 cockerels, \$2 each, or 3 for \$5. H. G. Swicego, Route 5, Lexington, N. C.

Single Comb White and Brown Leghorns—Pullets and cockerels for sale, \$2 each. Loyd Helmstetter, Route 5, Lexington, N. C.

ORPINGTONS

Choice Buff Orpington Cockerels—\$4 to \$5 each. Mrs. W. E. Stokes, Bamberg, S. C.

Buff Orpingtons—The best yet. Write for prices and show record. Bloom Kendall, Shelby, N. C.

PLYMOUTH ROCKS

Fine Thompson Ringlet Barred Rock Cockerels—\$3 and \$4. Mrs. Norton Roberts, Morris Station, Ga.

For Sale—Purebred Partridge Rocks—Males, \$4; pairs, \$6; trios, \$8. Dark Cornish Games, \$5 pair. Address H. L. Watson, Jonesboro, N. C.

RHODE ISLAND REDS

Dark S. C. Rhode Island Red Cockerels—\$1 to \$4. Mrs. Jas. T. Wilder, Castalia, N. C.

Steele's Best S. C. Reds—Cockerels, \$7; pullets, \$5. Sold on approval. J. H. Steele, Manassas, Va.

Finest Purebred S. C. Rhode Island Red Cockerels—\$3 to \$5 each. Maymie Coleman, Hamer, Tenn.

Choice Early Hatched Single Comb Rhode Island Red Cockerels—\$3 each. Write Fairview Farm, Booneville, N. C.

Write for New Price List of Rose and Single Comb Red cockerels and pullets. Sallis Davidson, Statesville, N. C.

Purebred Rhode Island Red Cockerels—Special strain, March hatched, \$3. Address Mrs. J. W. Joyner, Clarendon, N. C.

Reds—Both Combs—Good utility cockerels, \$5, \$7.50; fine fancy breeders, \$10, \$12.50, \$15; splendid exhibition cockerels, \$25; pullets, \$4 to \$15. Fifteenth year with Reds. Customers in 17 states. Mrs. J. C. Deaton, Salisbury, N. C.

WYANDOTTES

Silver Wyandottes. Viola Kiker, Polkton, N. C.

Silver-laced Wyandottes—The best. Thomas Wilkie, China Grove, N. C.

Fishel White Wyandottes for Sale. Sandy Creek Farm, Durham, N. C.

Purebred White Wyandotte Cockerels—\$2. Lillie Britton, Wadeville, N. C.

Well Grown Silver Wyandotte Cockerels—Tarbox strain; \$3 to \$4 each. Selected eggs, after Jan. 1, \$2.50 per sitting of 15. Willow Brook Farm, Greenwood, S. C.

GEESE

Full Blood Wild Geese—Domesticated. A Christmas present that will be appreciated. J. P. Pollard, Greenville, N. C.

GUINEAS

Pure White African Guinea—\$2.50 each. John W. Boyd, Alton, Va.

PEA FOWLS

Peafowl Wanted—We offer \$5 each for peafowl, either sex, 2 years old and over; for 3 years old, \$4 each; and for 1-year-old, \$3 each. Chiles & Company, Mt. Sterling, Ky.

TURKEYS

Purebred Mammoth Bronze Turkeys for Sale—Hens, \$8; toms, \$10. Mrs. C. A. Baker, Goodhope, Va.

Purebred Bourbon Red Turkeys for Sale—Hens, \$6; toms, \$8. Mrs. D. S. Craven, Hamsey, N. C., Route 1.

McKee's Bronze Turkeys—Will improve your flock; heavy bone; prize winners. Prices on request. McKee's Orpington Farm, Watertown, Tenn.

Mammoth Bronze Turkeys—Prize winners; free from disease and satisfaction guaranteed. Hickory Grove Farm, Conover, N. C.

Fine Big Bone, Purebred Mammoth Bronze Turkeys—From best strains in South and West. For description and prices, write J. A. Davis, Kinards, S. C.

TWO OR MORE BREEDS

Some Fine S. C. Buff Orpington chickens and Bourbon Red turkeys for sale. Orders promptly filled. Miss Julia Jones, Tobaccoville, N. C.

SEEDS AND PLANTS

BEANS

First-class Early Speckled Velvet Beans—1920 crop, \$1.35 per bushel; Bush velvet beans, \$2 per bushel. All f.o.b. Warthen, W. H. Frank, Washen, Ga.

Soy Beans—Mammoth Yellow Soy Beans, \$1.00 per bu. This variety has proven the most suitable for conditions in the South and should be planted on every farm. Are you going to reduce your cotton acreage in 1921, or continue to let Wall Street and Liverpool dictate our prices? This cotton problem must be a light to a finish, which will end with victory for the cotton producer. Kirby Seed Company, Gaines, S. C.

CABBAGE AND COLLARDS

Early Jersey Cabbage Plants—\$1.75 1,000. C. R. Chiles, Newton, N. C.

Wakefield Cabbage Plants—\$2 per 1,000, parcel post. W. F. Murray, Clarendon, N. C.

Frost-Proof Wakefield Cabbage Plants Ready—100, 2nd, postpaid; 1,000, \$1.50, express. Furcks Farm, Clarendon, N. C.

Early Jersey Cabbage Plants—Per 1,000, \$1.75 by express, or \$2 parcel post. Clarendon Plant Co., Clarendon, N. C.

Wakefield Cabbage Plants—300, 60c; 500, 90c; 1,000, \$1.75, insured mail. Quick delivery. J. T. Council & Sons, Franklin, Va.

Cabbage Plants—Millions now ready, \$1.75 per 1,000; 5,000, \$7.50; special low price on large lots. Plant Farm, Dade City, Fla.

Fine Jersey and Charleston Wakefield Cabbage Plants \$2 thousand, delivered. Prompt shipment. Maple Grove Farm, Thomasville, N. C.

For Early Spring Cabbage—500,000 Early Jersey and Charleston Wakefield cabbage plants, grown from the best Long Island seed, 1,000, \$1.75; 500, \$1; 100, 50c, postpaid. Best Va. Plant Farm, Franklin, Va.

It's Time to Buy Cabbage Plants—Don't subscription to The Progressive Farmer will give you enough to buy enough for your garden. We want you to work for us. If you are looking for a good job, write us today.

Extra Large Selected Frost-proof Cabbage Plants—Jersey and Charleston Wakefield, 300 postpaid, \$1.25; by express, \$1.50; 10 per cent free plants. Prompt shipment guaranteed. Seaside Farm, Darion, Ga.

500,000 Frost-proof Early Jersey and Charleston Wakefield Cabbage Plants—Grown from best Long Island seed. Direct from grower, 500, \$1; 1,000, \$1.75, postpaid; by express, \$1.50 1,000. R. J. Rountree & Sons, Hardensville, S. C.

For Sale—All standard varieties frost-proof Cabbage Plants, for immediate shipment, \$1.50 per 1,000; for 5,000 and over, \$1.25 per 1,000. We guarantee satisfaction. Order from the Old Reliable, The Enterprise Truck Farm, Georgetown, S. C.

Cabbage Plants—Protected from frost by overhead irrigation. Charleston Wakefield, Early Summer, Longton's Best Long Island seed, \$1.75 per 1,000; special price in large quantities. Parcel post orders, 25 cents per 1,000 extra. J. B. Davis Farms, Hartow, Va.

Frost-proof Cabbage Plants—Fifteen millions, large size, now ready for wholesale and retail trade. Wakefield, Enterprise, Flat Dutch, 500, \$1; 1,000, \$1.75; 5,000, \$1.50 per 1,000, by express or mail collect for postage. Delivery guaranteed or money refunded. Clark Plant Co., Box 105, Thomasville, Ga.

Cabbage Plants—Sturdy, frost-proof, and as good as can be bought anywhere at any price. We have early Jersey Wakefields, Charleston Wakefields, Succession and Flat Dutch. Prices: by express, 500, \$1.25; 1,000, \$2.00; 5,000 to 5,000 at \$1.75 per 1,000; 10,000 and up at \$1.50 per 1,000. By prepaid parcel post, 100, 50c; 200, 90c; 300, \$1; 400, \$1.30; 500, \$1.50; 1,000, \$2.50. Oakdale Farm, Birmingham, Alabama.

Cabbage Plants—Fullwood's frost-proof cabbage plants, ready for immediate shipment. Varieties: Jersey and Charleston Wakefield, Succession and Flat Dutch. Prices: by express, 1,000 to 4,000, at \$2 per 1,000; 5,000 to 9,000, at \$1.75 per 1,000; 10,000 and over, at \$1.50 per 1,000; by parcel post, 100 for 50c; 500 for \$1.00; 1,000 for \$1.75, postpaid. Plants grown from best Long Island seed. Satisfaction guaranteed or order refunded. P. D. Fulwood, Tifton, Ga.

CANE AND SORGHUM SEED

Cane Seed—Early Orange, \$1.50 per bu.; Early Amber, \$1.45 per bu.; Sugar Drip, for syrup, \$2 per bu. These prices are below pre-war prices and below cost of production and we advise purchasing now. Surely your cotton acreage in 1921 will be at least 50 per cent. Kirby Seed Co., Gaines, S. C.

CLOVER

Mellilotus or Sweet Clover Seed: White Blooming Sweet Clover seed, hand cleaned, \$15; recleaned, \$20; cash with order. No less than 100 lbs. sold. Book of instructions goes with each shipment. Farm Implement & Seed Co., Brooksville, Miss.

COTTON

Blue Ribbon Big Boll, Early 5-lock Cotton—Prize winner. W. H. Kirkwood, Bennettsville, S. C.

Improved Extra Early Cleveand Big Boll Cotton Seed—Ginned with private gin, \$3 per bushel. H. M. Rogers, Dillon, S. C.

Genuine Cleveand Big Boll—Record, 30 bales on 10 acres. Seed \$2.50 bushel. Limited amount. Cleveand Seed Co., Royston, Ga.

Pure Cook Cotton Seed—Developed and recommended by Alabama Experiment Station; \$2 bushel. Write Nolan Helms, Honorville, Ala.

You Need Your Cotton Seed Before Planting Time—Let us buy them for you. We've got a job open for you, if you will only write us today. The Progressive Farmer.

Cotton Seed—Pool's Early Big Boll—Get them direct from introducer's farm. Write for booklet and prices. Elliot S. Pool, Clayton, N. C.

Cotton—Wannamaker's Improved Cleveand Big Boll and Early King Cotton Seed—Free from boll weevil; \$1.50 per bushel. L. S. Olive, Apex, N. C.

For Sale—Wannamaker's Cleveand Big Boll Cotton Seed—One year from Wannamaker. No boll weevil. Private gin. \$2 per bushel. Write Dixie Hill Farm, Box 604, Spartanburg, S. C.

Buy Mobane Planting Seed From Your North—They will make you a big crop early and beat the weevil. Big bolls, 37 to 40 per cent lint, quick maturing, drought resistant. All seed machine culled, tested and guaranteed. Write for prices on car lots and less. Free literature. Caddo Mobane Cotton Seed Farms, Caddo, Oklahoma.

OATS

Seed Oats—Fulghum, \$1.20 per bu.; Burt or Ninety-Day, 90c per bu. These are the two leading varieties for spring planting. Order your seed now and have them ready to plant in February or first of March. Kirby Seed Company, Gaines, S. C.

PEAS

Peas—All kinds now ready for shipment. Write for prices. H. L. Fowe, Cheraw, S. C.

Wanted—Field Peas—Submit sample and price if reasonable. N. A. Kinney, Mobane, N. C.

New Crop Mixed Peas—\$3.50 bushel. Sun-dried apples, 10c; 50-lb. bags. All f.o.b. Luther Cobb, Culberson, N. C.

Peas—Mixed, \$1.30 per bushel; Whipperwill, \$2.15 per bushel; Large Black, \$2.35 per bushel; White, \$2.50 per bushel; Iron, \$2.50 per bushel; Clay, \$2.50 per bushel; Brabham, \$2.50 per bushel; Red Ripper, \$2.25 per bushel. These prices are below the 10-year average. If you are going to need peas, this is a good purchase. You can afford to improve your soil at these prices. Do you think it advisable to grow another large cotton crop in 1921? Kirby Seed Co., Gaines, S. C.

PECANS

75,000 Early Bearing, Bred-up, Budded and Grafted Paper-shell Pecan Trees—Write for free booklet on Pecan Culture now. Bass Pecan Co., Lumberton, Miss.

STRAWBERRIES

Strawberry Plants—By special mail: Everbearing, \$2.50; 200, \$4.50; 300, \$5.40; 400, \$7.50; 500, \$9.00; 1,000, \$16. One crop varieties, such as Lady Thompson, Klondike, Montgomery, etc. 100, \$1.50; 200, \$2.50; 300, \$3.25; 400, \$4.50; 500, \$5.50; 1,000, \$7.75. Oakdale Farm, Birmingham, Ala.

MISCELLANEOUS SEEDS AND PLANTS

Sudan, \$7 net.; Alfalfa, \$10; Timothy, \$8.50. Other seeds at 50 per cent less than wholesale. Reliable Seed Co., Selma, Kansas.

Peach and Apple Trees at bargain prices to planters in small or large lots by express, parcel post or freight. 500,000 June budded peach trees. Plum, cherries, pears, grapes, all kinds berries, nuts, etc. Shade and ornamental trees, vines and shrubs. Free catalog. Tennessee Nursery Co., Cleveland, Tenn.

FRUIT TREES

Sell Fruit Trees, Nut Trees, Ornamental Trees—Light work, good profit. Write today. Smith Bros., Dept. 25, Concord, Ga.

Satinina Orange Trees—The finest fruit of the South. Clean, healthy, vigorous, well rooted, 3-year-old trees, \$10 per dozen. Satisfaction guaranteed or money refunded. Bass Nurseries, Ocean Springs, Miss.

Fruit Trees—All Varieties Peaches, Apples, Pears, Plums, Cherries, Fig, Grapes, Pecans, and Berry Plants—For \$10.50 we will send by express 10 peach trees, which will give ripe fruit from June to October; other peach trees, \$5 each; apple trees, \$1.25; pear trees, \$1.75; grapes, 75c. Write for prices on any other fruit trees. Shade trees, shrubs, or berry plants needed. Our stock is as good as can be had anywhere at any price. Oakdale Farm, Birmingham, Ala.

FARMS FOR SALE OR RENT

We do not intend our general advertising space unless we have a good farm to offer. We want to see the land before buying. But no man is permitted to offer land for sale in our paper unless he shows a satisfactory prospectus as to his honesty and business responsibility.

NORTH CAROLINA

For Sale—624 Acres Good Land—Well watered and timbered; 21 miles from Winston, N. C. Fine location for peach orchard. For full information, address W. C. Jones, Jackson Springs, N. C.

50 Acres Good Farming Land—Good locality; \$2,500. Part cash, balance terms; daily mail; on public road; good school, church; 3 miles to railroad; 4-room house, good barn; 19 acres in cultivation. W. E. Lewis, Winnabow, N. C.

VIRGINIA

Large and Small Farms Cheap—See Isom Dimmette, Lumburg, Va.

Fertile Bluegrass Dairy Farms—(Catalog) Ferrow, Remington, Va.

Improved Farm—Near town; cheese. Timber, good buildings, water, bath, lights. "Farmer," Lumburg, Virginia.

Virginia—Let us send you free catalog of the best bargains in farms and timber properties in Virginia, where farm land is cheap and productive, and the climate delightful. Address: The Virginia Realty Co., Palmyra, Va.

Virginia Farm and Timber Proposition—329 1/2 acres, Fluvanna County—255 acres timber, balance farm land. In famous tobacco and tomato growing section. All state covered dwelling. Can be bought for \$8,000. Sufficient timber to pay for property when worked out. Jos. M. Samuels, Orange, Va.

OTHER STATES

The Santa Fe has built a new branch railway line through the South Plains region of West Texas. A new farming and livestock region with new towns is being opened up. This territory already is partly occupied by a good class of settlers, and crop possibilities proven by actual experience. Here you can profitably raise cotton, corn, sorghums and fruit. It is an ideal livestock and dairy country. Low prices for unimproved lands and very easy terms. Move in early and take first pick. Write today for free illustrated folder. W. C. Spearman, 50 Santa Fe Bldg., Rhyth, Texas.

Oranges and Tangerines on Florida Bungalow Farm—Ready to move right in; complete furnishings; 100,000 lbs. White Leathers, 100 lbs. Blueberries, 100 lbs. Apples, 100 lbs. Peaches, 100 lbs. Nectarines, 100 lbs. Plums, 100 lbs. Apricots, 100 lbs. Pears, 100 lbs. Grapes, 100 lbs. Strawberries, 100 lbs. Raspberries, 100 lbs. Blackberries, 100 lbs. Currants, 100 lbs. Gooseberries, 100 lbs. Elderberries, 100 lbs. Mulberries, 100 lbs. Persimmons, 100 lbs. Figs, 100 lbs. Kiwifruit, 100 lbs. Avocados, 100 lbs. Pineapples, 100 lbs. Mangoes, 100 lbs. Guavas, 100 lbs. Passion Fruit, 100 lbs. Litchi, 100 lbs. Dragon Fruit, 100 lbs. Jackfruit, 100 lbs. Breadfruit, 100 lbs. Taro, 100 lbs. Cassava, 100 lbs.