

# MAGIC OVERCOAT MAKES SEED BIGGER, EASIER TO PLANT

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Continued From Thursday's Issue  
Testing Grass Seeds

Processed Seeds, Inc., is now running tests on different mixtures for coatings to be used on "blue stem" and crested wheat grass. If these are successful, the Government will buy enough pelleted seed to sow 85,000 acres of burned-over range in Wyoming and Idaho this fall. In his office at Midland, Dr. Vogelsang of Processed Seeds has a box with a dozen seeds of these two "grasses" several inches high. Fifty seeds were sown in each row. Only 14 of the bare seeds grew. In the row with the best pelleted seed, 46 of the 50 sprouted.

Do you grow tomatoes in your garden? With pelleted seeds, you won't have to set out plants. The digging and water lugging that go with transplanting can happily be dispensed with. With coating it is possible to sow tomatoes two to three weeks earlier than bare seed. As a result, pelleted seed will produce fruit at about the same time as transplanting do, according to Processed Seeds.

Pelleted seed offers big potential savings to commercial tomato growers. In northern Illinois, it costs farmers \$15 to \$20 an acre to set out an acre of tomatoes. By drilling or "checkrowing" pelleted seed, they should be able to plant an acre for \$2. Enough plants for an acre cost from \$13.50 to \$16. Five pounds of seed pellets, which is enough for an acre, cost \$1.50. Labor costs for setting plants will run between \$1.50 and \$4. Putting in an acre of pelleted seed requires about 50 cents worth of labor.

Growers have obtained varying results with pelleted tomato seed. One of the biggest users of tomatoes, the Campbell Soup Co., has been experimenting with coated seeds. Dr. S. G. Younkin, chief of Campbell's experimental farm at Riverton, N. J., termed results thus far as "highly disappointing." The seeds were slow to emerge from the ground in one test and in others extra moisture was

needed to make them germinate. But other growers have had more favorable experiences. Earl M. Page, president of the Cornell Seed Co., says that "when properly planted, results have been good."

Pelleted seed offers savings for cotton growers. Cotton seed, as it comes out of the boll, is so fuzzy it won't feed freely out of a planting machine. So the fuzz is taken off either by a ginning process or by treating the seed with acid. The acid treatment costs about 7 cents a pound of seed. Processed Seeds, Inc., will coat the seeds for 4 cents a pound, not only eliminating the fuzz but also wrapping the seeds in a material that insures better growth. A large firm dealing in cotton seed, Mid-South Supply Co., of Memphis, planted about 400 acres of coated cotton seed this year to test its performance.

**Added Eye Appeal**  
Through pelleting, seeds can be given added eye appeal that may make them sell better. By introducing a little pigment into the mixture used for the coating, they can be made any desired color. Last year, Processed Seeds colored sugar beet pellets red, white and blue. It helped farmers who planted three types of beets keep them separate.

Pelleting offers an opportunity to do a better job with chemical weed killers. Many of these are just as deadly to flowers and vegetables as to the weeds. If sprinkled on the ground, they'll kill both good and bad seeds. But Processed Seeds has discovered that a coating of active carbon on the outside of a seed protects it from such chemical weed killers as 2-4-D. The chemical kills the weed seeds but has lost its potency by the time the coated seeds emerge through the ground.

Special chemical mixtures make the seeds distasteful to crows and rodents.

Seed processors apply coating by whirling the seeds in a revolving spherical chamber in much the same way as candy covered nuts are produced. Processed Seeds, Inc., sticks the ingredients on with a water-soluble adhesive that frees the seed from its coating when there's proper ground moisture for good growing. Filtril coats seeds with a specially processed volcanic ash that is sticky when wet and adds other ingredients according to customers' specifications. The pellets can be made almost any size but most are coated until they become about as big as a pea.

What goes in the different coatings? Fertilizer and hormones are included to promote quick growth. Fungicides and insecticides are added to protect against diseases and insects; they are also helpful in keeping the germ in the seed alive when the weather is bad. Processed Seeds is experimenting with other growth stimulants including amino acids.

## Asheville Man Picked To Seek Senator Hoey's Seat

H. B. LEAVITT  
ASHEVILLE—Halsey B. Leavitt, Asheville insurance man, will be the State Republican convention's nominee in the West for the United States Senate, J. M. Baley Jr., chairman of the Republican State Executive Committee, announced here yesterday.

Leavitt, Baley said, was the unanimous choice of a nominating committee composed of Republicans from all parts of the State.

As a candidate for the west, Leavitt will oppose the Democrat-

ic nominee, Senator Clyde R. Hoey and Mayor Marshall Kurfees of Winston-Salem are the only two announced Democratic candidates.

Also announcing for office yesterday were A. W. Whitehurst, Marshall banker, who will seek the Republican nomination for the 11th Congressional District seat, and Colonel John A. Wagner of Asheville, Spanish-American War veteran, who filed as the party's nominee for Congress in the 12th District.

W. C. Hennessey of Sylva was nominated at the recent 12th District convention but withdrew Wednesday.

## Enrollment At Appalachian Now At High Record

Boone — The enrollment for the year at Appalachian State Teachers college has claimed to the all-time high of 1859, with the opening of the spring quarter, according to H. R. Eggers, registrar.

An analysis of the figures shows that there have been 620 men enrolled, and 739 women. The number of graduates for the year, including those expecting to graduate at the end of the term is 124, 86 men and 38 women.

Last summer the college had the largest number of students

ever to register for a summer quarter. According to Chapel Hill, director of the summer schools, this summer is expected to reach or to exceed last summer's enrollment. Enrollment in the graduate school is expected to be the largest since graduates work has been offered.

Meat production under Federal inspection for the week ended March 11, totaled 290 million pounds.

## NOTICE OF SALE OF PERSONAL PROPERTY

By virtue of the power of sale contained in a certain chattel mortgage, executed by Paul Baldwin to the undersigned mortgagee, said mortgage being given to secure a note, and the party having failed to pay said note, the same being past due and unpaid, the undersigned will expose to public sale to the highest bidder for cash in front of the Wiles Garage in the village of Traphill, North Carolina, at 12:00 o'clock noon, on March 28, 1950, the following described personal property, to wit: One Buick Sedan Coupe, Motor Number 44206534, Serial Number 14031404, known as the Atlas Shepherd car. Terms of said sale are cash on the day of the sale.

This the 7th day of March, 1950.

ARVEL PRUITT,  
Mortgagee.  
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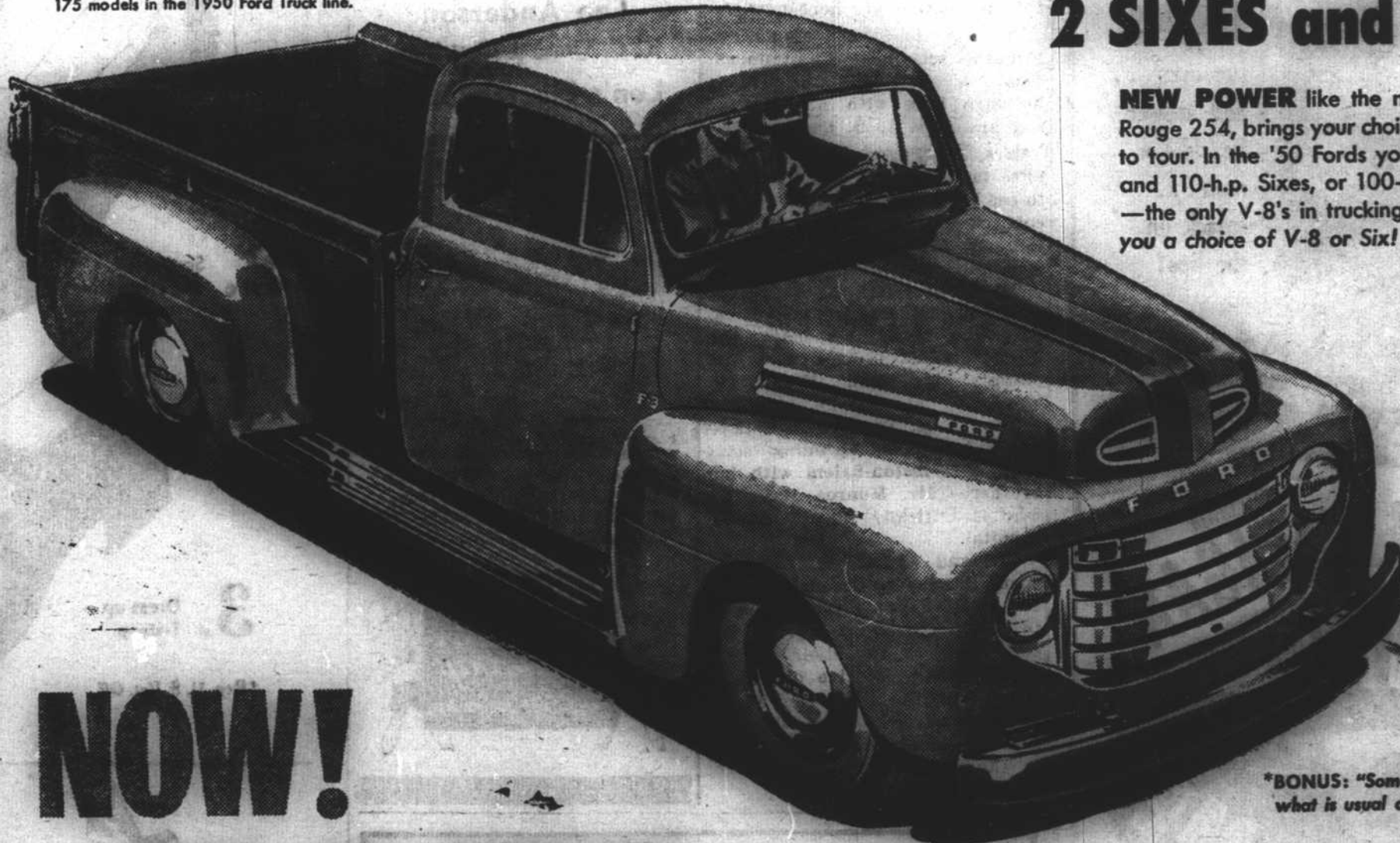
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\*BONUS: "Something given in addition to what is usual or strictly due"—Webster.

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