

Federal Experiment Proves Paper Mulch Is An Aid to Agriculture

By Frank I. Weller
(Associated Press Farm Editor)
AURORA HILLS, Va. (AP)—Four years of careful experimentation prove conclusively to the department of agriculture that paper mulch has a definitely beneficial and important effect on crop development.

Dr. L. H. Flint, federal physiologist, under whose supervision the tests were made, says that in addition to increasing yields, paper mulch eliminates all weeding between rows, facilitates weeding between plants in the row, and does away with the necessity for cultivation. In certain crops the power of germination has been increased, which results in greater hastening of maturity, and a superior crop product in point of size, quality and cleanliness.

The government's acclaim of paper mulch is the result of experiments started in 1924, following its successful use in Hawaiian pineapple culture. It first came into prominence in 1914 as a control measure against rank weed growth on an unirrigated sugar plantation in Hawaii. By 1922 it had become such an acknowledged success that 90 per cent of the Hawaiian pineapples were grown under mulch. Last year the industry paid approximately \$500,000 for mulching paper.

While public declaration of success with American crops has been held in advance pending positive confirmation, tests at government farms in Aurora Hills and elsewhere in Virginia have indicated from the first that response to mulch in this country is both certain and substantial.

Discussing the 1927 trials, Dr. Flint says the mulched plants were the first to germinate, being with certain crops fully four days in advance of the unmulched plants. The vegetative growth, with most crops, was appreciably in advance of crops on unmulched areas. Typical of this growth was the response of potatoes, in which the mulched plants came into flowering from five days to two weeks earlier. Twelve different field and garden crops have been mulched in more than one season, and in each of the 33 trials involving these crops the mulch increased the yield.

An outstanding accomplishment with mulch is the production of cotton as far north as Washington. Impracticable under ordinary conditions, cotton farming was made possible through the power of mulch to hasten maturity. It is one of the possibilities, specialists say, that with mulch the cotton belt of the south may be expanded. For many other crops the disadvantage of a late season may be overcome, their northern range widened, and in certain sections two crops may be grown in a single season.

Dr. Flint's experiments have to do only with the benefits of mulch, rather than with the economics of its use. The extent to which it will find a place in gardening and agriculture, he says, can be determined only through wide individual experimentation. Practical use will depend largely on its economy as affected by labor requirements, the markets, the particular crops concerned, and climatic conditions.



A. N. Parrish, 75, president of the First National Bank, Amar, Colo., who was shot and killed in an exchange of bullets with five bandits May 23.

Declares Shooting Was An Accident

SEATTLE, Wash., June 1 (AP)—Sheriff Claude G. Bannick announced here that Mrs. Peggy Davis, Skykomish, Wash., 50 miles northeast of here, had confessed she had accidentally shot to death George Fowler, 21, son of a Brooklyn, N. Y., physician, on the highway near her place Wednesday.

The body of the youth was found on the road near the resort. Search was being made for the woman as the woman was known to have been in his company early yesterday. She was found in the brush and placed under arrest.

The city of Manitou, Colo., has legislated against needless honking of auto horns. Now how about the neighbor's chickens?

New Face Powder Popular

MELLO-GLO is a wonderful new shade—youth color. Perspiration hardly affects it and it will not leave the skin dry and drawn. Try this new French Process Face Powder and enjoy its marvelous beautifying qualities. Sticks well, stays on longer and does not clog the pores. You will surely love MELLO-GLO. Thank Druff, The Ad.

Over the Valley

(Continued from Page Seven)

was accompanied there by Mrs. W. R. Ledbetter and daughter, Marie, who made a brief visit at the Leong home.

Drive From Huntington
Mr. and Mrs. C. H. Ficklin drove down from Huntington Tuesday for a visit at Union. On Wednesday, accompanied by Mr. and Mrs. Tom Ficklin they went to Summerville and attended the wonderful dinner served there.

Enlarges Business
Ed Jasper went to Baker yesterday with a load of his breakfast cereal, "Health Nuggets" entirely prepared by Mr. Jasper on his ranch near Alief and at his plant at Island City. Mr. Jasper has sold his product heretofore only in Union and Wallawa counties but is gradually adding new territory.

Opens Saw Mill
The Dean & Edwards saw mill, better known as the old Wade mill, up the Mill creek road from the Cove, was recently opened up and is running full time now.

Cow Testing Association
The Union County Cow Testing association is going right along with two more owners of dairy herds on the list of contract signers within the last few days. This very nearly fills the time of the tester, Hans Sellers who has been on the job all this month and has completed his first round of testing. Members of the association are quite enthusiastic over the work and the first month of its operation has seen things going along quite smoothly.

To Play At Baker
The Pleasant Grove grange baseball team goes to Baker Sunday, where they will play the X L team of that city.

Moves To New Ranch
Mr. and Mrs. J. A. Rogers and family have recently moved from their former home on a ranch near North Powder, to the Beam

Gets Coyote
Clem McKinnis, who lives on the side hill out from Summerville has a fine large coyote to his credit. Mr. McKinnis saw some animal a few days ago in the road near his

and Chadwick ranch just north of Hot Lake.

Leaving On Vacation
Mr. and Mrs. Miles Woodell are leaving tomorrow or Sunday for Portland, where for a few days they will visit and see sights before going on to Rainier to attend the state prange. During the absence of Mr. Woodell, who is rural mail carrier out from Summerville, his son, Lloyd Woodell, will cover the mail route.

To Have Real Celebration
The Women's Club of Cove has completed the payment of their indebtedness on the Cove library, by making extensive plans for the next meeting, at which time fitting exercises in connection with the burning of the mortgage will be held. This will come on the 14th of June and will be held on the Ascension grounds. Mrs. H. S. Comstock is soon to succeed Mrs. W. A. McNeill as president of the club. Mrs. McNeill has served for two years and has seen much good done during her regime. The remaining \$500 of indebtedness has been paid during that time, all in addition to keeping up other club work. Mrs. T. C. Hefty will be vice president. Mrs. Helene Lincoln, secretary. Mrs. Thomas, corresponding secretary and Mrs. Harris, treasurer.

Vacation At Home
Miss Marjorie Walsinger, secretary in the office of the United States Investment Co. in La Grande, spent her vacation, Memorial Day, at her home near Alief.

Has Dinner Guests
Miss Lucy Case, nutrition expert, who was here over the weekend conducting her classes over the valley entertained at dinner Wednesday at the La Grande hotel, Mrs. Chris Bertsch and Mrs. Helene Lincoln of near the Cove. Miss Case left yesterday for Baker where she will resume her work in connection with the extension department of O. A. C.

Headlines you never see: JIM REED QUITS RACE.

NOBILE'S WIFE HEART BROKEN AS DAYS PASS

ROME, June 1 (AP)—The thoughts of Italy today turned with tenderness to Signora Carlotta Nobile, wife of General Umberto Nobile, and their little daughter, Maria, as the days dragged on without any sign from the frozen north that the commander of the airship Italia and his crew were safe.

Until yesterday they received intimate friends and embassies of the King and Premier Mussolini and thanked all for their words of comfort. Finally, however, Signora Nobile was overcome and locked herself in her room and spent the day in prayer. Earlier in the week she went to St. Peter's and spent a long time in praying at the grave of Pope Pius XI in the crypt. Speedy recognition of her other worshippers, however, made the persistence of devotions there impossible.



My BROTHER SAYS

That the wisest thing he ever did was to start saving when he started working. He's still saving, too.

U. S. National Bank
Member Federal Reserve System

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New Drive-In
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1000 THIN PRESSED TUMBLERS 3 for 10c
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50 "BEE VAC" ELECTRIC IRONS \$2.98

Dollar Values
The items listed below and their value is instantly apparent.
\$1.75 Fenton Glass Console Bowls 1.00
\$1.50 Crackle Tea, Water and Wine Sets (18 pieces) 1.00
\$1.50 Grape Cut Water Sets (Jug and 6 Tumblers) 1.00
\$1.50 "Lightning" Hand Saws 1.00
\$1.50 "Banzalui" Fire Proof Jugs 1.00
Aluminum "Peres" "T-Kettles" and "Roasters" 1.00
100 HOUSEHOLD SCALES 69c
50 2-ELEMENT HOT PLATES \$4.95
50 "Bersted" Waffle Irons, \$4.95
Guaranteed for 1 year—finished in nickel quadruple plate. Standard in every respect. Genuine Nichrome elements. A super value at \$4.95.

SPECIAL!
As a special for Saturday, we are offering you any of our varieties of Cookies for 17c per dozen. These cookies sell regularly at 20c per dozen, and we have added some new ones to our list.

Gwilliams Electric Bakery
Home Of The Golden Crust
Oppo. Observer—on Adams

"Western Auto" Reduces TIRE PRICES!
Just in time for Your Summer Requirements—
Thousands of motorists are flocking to our stores to equip their cars for the vacation season, at the big savings offered by our New Reduced Prices on guaranteed Western Giant and Wear-well tires... Reduced prices made possible by our tremendous purchases to meet the unprecedented demand for "Western Auto" tires...
These are the same rugged, long-wearing, trouble-free tires of which last year, car owners purchased nearly half-a-million... The same high quality rubber... same selected carcass materials... same scientific design and superior construction... and backed by the same guarantee of mileage and satisfaction...
And Here's More Value... Extra value that only "Western Auto" with more than 150 conveniently located stores, can offer... Service at any of our stores, to back our Iron-Clad Guarantee and our "Customer is always right" policy!

Wear-well Balloons
Guaranteed 8000 Miles
Extraordinary savings are offered in these full balloons with broad, ribbed, non-skid treads. Look at these new low prices... and remember our trade-in allowance on your old tires!

Size	Our New Low Price
29x4.40 Balloon	\$ 6.65
30x4.50 Balloon	7.25
30x5.00 Balloon	9.25
31x5.00 Balloon	9.55
30x5.25 Balloon	10.15
31x5.25 Balloon	10.95
30x5.77 Balloon	11.95
33x6.00 Balloon	13.90

Western Giant Balloons
Guaranteed 12,000 Miles
Extra heavy throughout... built to give extra mileage under the most exacting service. At our new low prices, they offer unequalled tire economy. Trade-in allowance makes these prices even lower.

Size	Our New Low Price
29x4.40 Balloon	\$ 7.85
30x4.50 Balloon	8.85
30x5.00 Balloon	11.45
31x5.00 Balloon	11.95
32x5.00 Balloon	12.65
30x5.25 Balloon	12.95
31x5.25 Balloon	13.45
30x5.77 Balloon	14.85
33x6.00 Balloon, 6-ply	17.95
33x6.00 Balloon, 6-ply	18.75
32x6.20 Balloon, 6-ply	20.75

Wascocord
30 x 3 1/2 \$4.45
29 x 4.40 \$5.65

Reduced Tire Prices!
These 4-ply tires are full standard size and weight... new, fresh stock, well made and fully guaranteed. Wascocord tires are specially recommended for the motorist who does not require a tire for very hard service, and who wants to make a minimum investment. Guaranteed against defects for 5000 Miles.

Make Your Savings Even Greater... Trade In Your Old Tires
Put new, fully guaranteed Western Giant or Wear-wells all around, and use your old, worn tires as part-payment on them, at any "Western Auto" store.

Wear-well Cords
Guaranteed 8000 Miles
Our new low prices on these full standard weight tires with thick, tough, road-gripping treads, offer tremendous savings to car owners of the West. Allowance for old tires, too!

Size	Cl.	Regular Size	Our New Low Price
30x3	Cl.	Regular Size	\$ 5.45
30x3 1/2	Cl.	Regular Size	5.65
30x3 1/2	Cl.	Oversize	5.95
30x3 1/2	S.	Oversize	7.40
31x4	S.	Oversize	8.95
32x4	S.	Oversize	9.40
33x4	S.	Oversize	9.95
34x4	S.	Oversize	11.40
32x4 1/2	S.	Oversize	13.90
33x4 1/2	S.	Oversize	14.95

Western Giant Truck Tires
Also Reduced
...Western Giant Truck Tires... built to carry the overload... are the most economical commercial tires made. With added rubber in the extra thick, non-skid treads and the resin-resisting side walls; the very finest quality carcass cords... extra heavy breaker strips... and safe, rim-gripping beads... they will be a revelation to you in long, trouble-free mileage... With our more than 150 Truck Tire Service Depots... and the added savings offered by our new reduced prices... they are even greater values than ever.

Western Giant Cords
Guaranteed 12,000 Miles
(Reg. Size 10,000 Miles)
Massive, extra heavy duty super cord tires at the lowest prices ever... Suction tread gives greater traction and safety... extra rubber gives longer wear... and our trade-in allowance offers extra savings.

Size	Our New Low Price
30x3 1/2	Regular Size Cl. \$ 6.45
30x3 1/2	Extra Oversize Cl. 6.97
30x3 1/2	S. S. Oversize 7.90
31x4	S. S. Oversize, 6-ply 10.95
32x4	S. S. Oversize, 6-ply 11.85
33x4	S. S. Oversize, 6-ply 12.45
32x4 1/2	S. S. Oversize, 6-ply 16.25
33x4 1/2	S. S. Oversize, 6-ply 16.75
34x4 1/2	S. S. Oversize, 6-ply 17.90
33x5	S. S. Oversize, 6-ply 23.35
35x5	S. S. Oversize, 8-ply 23.85

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Cut up fish in small pieces and place in bake pan. Sprinkle with catsup and a few drops of Lea & Perrins sauce, juice of lemon, salt and pepper and 1 bay leaf. Place small bits of butter on top and bake 20 minutes.

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