

# PERTINENT POINTERS for MODERN FARMERS



Prepared Under Direction of  
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## TREATMENT OF SEED GRAIN, NOW GENERAL, BEGAN AT N. D. A. C.

The World war helped to popularize an agricultural practice that was developed at the North Dakota Agricultural college experiment station, and which has saved thousands of bushels of grain from loss annually for the last few years. This practice is the treatment of grain with formaldehyde to prevent smut, wilt, and canker, and was developed by Dean H. L. Bolley, bacteriologist and plant pathologist at the experiment station.

The grain to be sowed is wet with a solution of formaldehyde that kills the smut spores and other disease fungi. This prevents the loss of much of the crop from diseases.

A dose is a dose, says Dean Bolley in warning prospective users to insure the proper proportions in the mixture to be used on the grain. One pound (16 ounces) of formaldehyde to 40 gallons of water is the right proportion, he says. Less formaldehyde may not kill the spores, while more may injure or kill the grain. Wet the grain in any manner that allows it to be evenly moistened over the entire surface. Sprinkling and shoveling is as effective as any, if well done. Place the grain in a tight box, on a tight floor or on canvas, and spray or sprinkle on the solution. Shovel and rake over the grain thoroughly, then leave piled an hour or so until the excess moisture is absorbed. The operation may be done at the edge of the field where

the drills turn as they sow the seed, if desired.

Care must be taken to wet the grain thoroughly, shoveling it over several times. Only enough of the solution is used to wet the grain well. For dry wheat use three-fourths of a gallon for a bushel; for oats, barley, and millet, use one and a half or two gallons to the bushel; for dry flax, use one-half gallon to the bushel. The grains also may be dipped if this method is preferred. Dipping is most certain, sprinkling and shoveling least expensive and simplest. This treatment will prevent stinking smut in wheat, covered smut in barley, oat smut, and smut of rye, and will largely control wheat scab, ergot of rye, and many other preventable diseases of farm crops.

Corn smut is not prevented by treatment of the seed but must be controlled by preventing the smut masses from ripening in the field and by rotation of crops. Go through the field as soon as the smut masses begin to show, cut off the stalks and burn them. Importance of saving every possible bushel of grain from plant diseases was given great emphasis during the world war, when the need of increased food supplies was so great and the problem of securing farm help made it imperative that the largest possible yield be secured from every acre. The formaldehyde treatment came into general use in all grain growing sections of the country during that period.

## REPAIR MACHINERY AND GET GOOD SERVICE AT LESS COST

Many farm machines which, because of a slight defect have been discarded, could be retrieved from the junk pile and put in condition fully equal to new machines at one-fourth to one-half the price of the new ones, says H. Chisholm, instructor in forging at the North Dakota Agricultural college. All machines should be overhauled and repaired now, he says, so that they will be ready for use when needed. He gives some suggestions for repair of farm machinery, as follows:

"There are reasons just at the present time for repairing partly worn machinery and continuing it in use. One reason is the present high cost of new machinery. There has been a tendency, because of general high prices, to scrap half worn machines and replace them with new. In a majority of cases this tendency has been carried too far. In all large junk yards of the northwest are to be found machines of all kinds, which, because of slight defect, have been discarded. Whereas repairs costing from one-fourth to one-half the price of a new machine would make them fully equal to new. There are parties who make it a practice of salvaging from junk yards damaged machines and after repairing them reselling them.

"Another reason is the greater facilities for making repairs at the present day. Every year there are more young men who have taken longer or shorter courses at industrial schools where instruction in mechanics is made a spe-

cialty. Both the state and federal government are continually offering larger opportunities for young men to become expert repairmen. A large experience in repairs spells a larger ability to operate. Unless the ability acquired at the short courses in blacksmithing and tractor work is put to practical use it is soon lost.

"One common mistake is the attempt to substitute wrought iron parts for outworn or broken castings. There are cases where this can be wisely done, and again there are cases where the cost should make it prohibitive. Castings of very intricate pattern can be produced nearly as cheaply as much plainer ones. This is not so in forging wrought iron. Molten iron can be poured into almost any shaped mold. The blacksmith is limited to certain forms and proportions. The writer has often been required to replace a broken casting worth fifty cents with a forging costing from five to ten dollars.

"In taking machinery apart for repairs it is wise to mark all parts so there will be no mistakes in reassembling. The opposite sides of certain parts are often so nearly alike that it is difficult to decide just how to place them. A little care in marking before taking down will save delay. In marking, a center punch should be used instead of a cold chisel as it is fully as legible and safer.

"Where welding is required accurate measurements should be taken between holes."

### INCREASE OF MARQUIS WHEAT OUTSTRIPS KUBANKA

The product of one bushel of Kubanka wheat allowed to multiply through two seasons at the Langdon, N. D., experiment station, was twice the product of a bushel of Marquis wheat, taking the seven year average at the station as a standard, declares W. E. Porter of the Agricultural college experiment station in urging the importance of securing good seed wheat, even though it costs more money than the usual run of wheat.

The seven year average of Kubanka at the Langdon station was 27 bushels to the acre. If these 27 bushels had been seeded the second year, they

would have produced 729 bushels.

The seven-year average of Marquis at the same station was 19 bushels to the acre. If these 19 bushels had been seeded the second year, they would have produced but 661 bushels, less than half the amount produced by the Kubanka. Kubanka is highly resistant, as is Acme and Monard or "D-1", but like them is an amber durum wheat and is to some extent discriminated against on the market as compared with Marquis and other hard red wheats.

A bushel of really good, high yielding wheat purchased this spring should produce 26 bushels, and 626 bushels within 18 months, Mr. Porter says in commenting upon the importance of good seed.

### EFFECT OF SOAKING POTATOES

Potatoes soaked in water two weeks in a temperature a few degrees above freezing gave perfect germination, in a recent test by the North Dakota Agricultural college horticultural department, while potatoes soaked in a storage temperature of 60 degrees still germinated after three days, but lost germinating power completely in a week's time.

The potatoes that gave perfect germination after two weeks were soaked in a temperature of 35 to 40 degrees, a temperature that should obtain in a good root cellar. There was partial germination under these conditions after the potatoes had soaked even four weeks.

The experiment was made in order to answer accurately several inquiries received by the department as to whether potatoes that had been soaked with water in the cellar would be good for planting.

### New Bank at Donnybrook

The Peoples' State Bank of Sanish which had been taken over by the Farmers' State Bank of Sanish last year has been transferred to Donnybrook, opening for business at the latter place on Tuesday of this week. While the initial capital is small to start with it is the intention of the owners to increase this as conditions and the amount of business transacted warrants. J. E. Erickson, cashier of the Farmers Bank of Sanish has spent the past two weeks at Donnybrook attending to the details of opening the new institution. It is gratifying to know that Donnybrook again has a banking institution as that community has been greatly handicapped for several months for lack of a bank. The men back of the new bank of Donnybrook are men of prominence and there is no question but that the Peoples' Bank will be a success from the start.

### Supreme Court Decides That Townley and Gilbert Shall Serve Sentence

Arthur C. Townley and Joseph Gilbert, who were convicted in Jackson county, Minn., charged with espionage, will have to serve a sentence of 90 days in the county jail, if the decision as rendered by the supreme court of Minnesota stands. Townley is speaking somewhere in Nebraska in the interests of the nonpartisan league and Gilbert is already serving another sentence of a year in Minnesota for a similar offense. The men have started legal proceedings in hope that they may escape the sentence. It is reported that when Townley heard of the decision of the supreme court he remarked that it was not so bad after all, that if he had to serve the 90 days, it would be the first vacation he has had in more than six years.

### Neil McDougall, Turnkey Resigns—Canadian Hired

Neil McDougall, turnkey at the county jail for more than a year has resigned and will re-engage in the contracting business. Neil was on the job 24 hours a day, seven days in the week, and says that the only difference there is between serving time and being a turnkey is that the turnkey gets paid for his incarceration. Neil's family of boarders, when he quit, comprised three men and two dusky belles who are serving time for peddling dope. Mr. McDougall's successor is John McCartney, a Canadian, who has had several years experience as a turnkey in Canadian prisons. He had also been guard in a Canadian insane asylum and a member of the mounted police force.

### Frank Rose Opens New Barber Shop

Frank Rose, who formerly conducted a barber shop in the basement of the Union National bank has opened a new shop in the Grams block. The new shop is handsomely equipped with clouded marble fixtures and white enameled chairs. Shower baths and showers are also maintained in connection. For the benefit of customers a handsomely appointed rest room has been built in underneath the sidewalk connecting with the shop proper. Here are comfortable chairs and every convenience for the customer's benefit. The shop is reached by an entrance adjoining the main entrance to the block and with its splendid appointments this shop is bound to enjoy an excellent patronage.

### Funeral of M. G. Olson Held Sunday

Mr. and Mrs. Wm. E. Borene and Mr. and Mrs. Jacob Hofto, have returned from Grand Forks where they attended the funeral of M. G. Olson which was held Sunday. The funeral was held from the home at 2:30 o'clock, Rev. Mr. Ambrose, Presbyterian clergyman, officiating. A mixed quartette sang, "Lead Kindly Light" and a solo was sung by Orrin Meyer. The body lay in state at the home from ten to twelve that morning with a body guard of Knights Templar in uniform. The Masonic Blue Lodge was in charge of the services at the grave with Theo. B. Elton officiating. Hundreds of friends gathered to pay tribute to the memory of Mr. Olson.

### Fadden Arrested Charged With Stealing Cadillac

F. L. Watkins and F. C. Upton recovered two stolen cars at Wolseth last week. One of the cars had been left by a stranger with W. E. Pace and the other with John Harstad. While the officers were at Wolseth, Fadden, Buster Grubbs and another fellow drove up, evidently intending to get the cars. Fadden was later arrested by Watkins at the Citizens Garage in Minot and was placed in jail Friday. He will also be arrested under a state charge, charging him with a theft of a Cadillac car, owned by Dr. Rothchild of Minneapolis and stolen April 15.

### Bishop Tyler Blesses New Episcopal Church

The magnificent new All Saints Episcopal church was formally blessed by the Rt. Rev. J. Poyntz Tyler of Fargo, Episcopal bishop of North Dakota, Sunday at 10:30 a. m. Opening with a solemn procession, the bishop conducted the services and administered the rite of confirmation to 33 people. A large choir furnished the music, Miss Gertrude Conn directing. Rev. D. J. Gallagher, the rector, was in general charge of the services. A. M. Compton and Alex. Forester were laymen and Archdeacon Martyr of Fargo assisted.

### Minot School Board Sues Bank of North Dakota

The Minot board of education has instituted an action against the Bank of North Dakota to recover \$16,000 on deposit in the state bank and funds of the Bank of North Dakota in Minot have been garnished pending disposition of the case, Atty. John E. Greene, counsel for the board, announced today.

### Oen-Balerud Nuptials

Miss Anna Oen, daughter of Mr. and Mrs. Ole Oen, prominent residents of the south prairie, was united in marriage to Colmer Balerud, at the First Lutheran church, Saturday afternoon, Rev. T. P. Gullison of-

ficiating. Miss Hilda Balerud and Gilbert Oen, sister of the groom and brother of the bride, were the attendants. The bride has been employed in the New York Hardware store for three years and the groom is employed at the Russell-Miller mill. They are enjoying their honeymoon in the east.

### Herman Gordon Lost Car

Herman Gordon of the Boston store is mourning the loss of his Hudson Super Six auto which was stolen from his garage Friday night. Herman and his family had been out driving that evening and believes that the thieves followed him home. His garage was not locked. The thieves closed the garage doors. An attempt was made to steal Abe Gordon's car from a garage near by. Rev. Diamond's little girl heard the thieves and called her father who turned on the lights frightening them away.

### Mrs. King Opens Stenographic Office

Jeannette E. King has opened a public stenographic office in the Jacobson block. She plans on doing any and all kinds of stenographic work, multigraphing, etc. Many firms are securing good returns from well-written advertising letters. Mrs. King has had quite a bit of experience along this line, and can put out a letter of this kind for you, written in a fashion that will secure results. We would suggest your giving her a trial when needing any of this class of work.

### Annual School Exhibit May 23-24

The annual exhibits of the Minot schools will be given at the high school building May 23 and 24, to which the public is cordially invited.

Miss Crocker, secretary of the Y. W. C. A. who is in charge of the girls' physical education in the schools, will give an interesting exhibit with the various drills from her students. There will be the various exhibits of art work, penmanship, domestic science and vocational training work of all kinds.

### Typewriter Man Locates Here

Wm. P. Ridley, well known typewriter and supply man from Fargo has arrived to open offices in this city under the name of the Office Specialty Co. of Minot. He handles the Royal and Corona typewriters and a complete stock of supplies and is preparing to go out after the business right. He has secured quarters in the Association of Commerce block.

### Robbed Oak Park Grocery

The Oak Park Grocery owned by E. A. Shirley was entered Saturday night, and \$100 in currency was taken from the cash register. Entrance was gained to the building thru a basement window and thieves got to the floor above by breaking the hot air pipe and crawling up thru the register.

### Kurth Settles With Street Railway Company

A. H. Kurth, cashier of the Citizens Bank, who started an action against the Lowry Street Railway Co., of St. Paul, for damages received by himself and son Argalus, July 13, 1920, was settled with the company for \$3,600.00.

### R. W. Kennard Exalted Ruler of 1089

R. W. Kennard, has been elected Exalted Ruler of Minot Lodge No. 1089, B. P. O. Elks, to fill the vacancy caused by the death of O. R. Roellig. The other officers have been advanced a step in their positions.

### Fritz Reishus, Cashier of the International Harvester Company at the Branch Offices in this City has Resigned to go into the Mplement Business with a brother in Wisconsin. F. S. Rose, formerly connected with the I. H. C. at Minneapolis succeeds Mr. Reishus.

Death of Frederick W. Foster  
Frederick W. Foster, son of Mary E. Foster, passed away Sunday at the home of his sister, Mrs. Smith who resides near the Model school. He was 45 years of age. The funeral was held Tuesday from Van Fleeck's undertaking parlors, Rev. P. W. Erickson, officiating.

### Mrs. Marvin Solien and little daughter, Elizabeth are expected back from Minneapolis Sunday.

For the past four weeks Mrs. Solien has been at the Eitel hospital where little Elizabeth was receiving treatments for injuries sustained by being run over by an automobile in which her shoulder blade and the bone of the upper arm were fractured. Mrs. Solien and daughter are visiting friends at Wadena, Minnesota. The last report received by Mr. Solien was that the little girl's injuries have yielded to treatment and the fractures have united perfectly.

### Mr. and Mrs. W. S. Teters who are spending the summer on their farms in the vicinity of Sherwood are in the city today.

August Zethren, prominent Max businessman was a visitor in the city today.

MINOT MARKETS	
Grain	
No. 1 Dark Northern	\$1.37
Durum	1.23
Rye	1.10
Flax	1.41
Produce	
Butterfat	.30
Butter	.30
Eggs	.16
Potatoes	.60

### Report of the Condition of THE FOXHOLM STATE BANK

Resources	
Loans and discounts	\$150,598.77
Overdrafts, secured and unsecured	47.26
Warrants, stocks, tax certificates, claims, etc.	314.01
Government issues	16.00
Banking house, furniture and fixtures	1,025.00
Other real estate	3,525.31
Current expenses, taxes paid, over undivided profits.	None
Checks and other cash items at hand	141.11
Due from other banks and cash	11,277.32
Total	\$170,384.78
Liabilities	
Capital stock paid in	\$15,000.00
Surplus fund	10,000.00
Undivided profits, less expenses and taxes paid	2,975.22
Individual deposits subject to check	\$22,068.54
Guaranty fund deposit	290.36
Time certificates of deposit	99,918.86
Cashier's checks outstanding	1,031.80
Bills payable	29,000.00
Total	\$170,384.78

### Report of the Condition of THE FIRST STATE BANK

Resources	
Loans and discounts	\$111,105.42
Overdrafts, secured and unsecured	420.04
Warrants, stocks, tax certificates, claims, etc.	625.88
Government issues	3,650.00
Banking house, furniture and fixtures	4,650.00
Other real estate	11,945.12
Checks and other	

### Report of the Condition of THE FIRST STATE BANK

Resources	
Loans and discounts	\$111,105.42
Overdrafts, secured and unsecured	420.04
Warrants, stocks, tax certificates, claims, etc.	625.88
Government issues	3,650.00
Banking house, furniture and fixtures	4,650.00
Other real estate	11,945.12
Checks and other	

Cash items	\$1,670.17
Due from other banks and cash	6,997.30
Total	\$141,063.94
Liabilities	
Capital stock paid in	\$10,000.00
Surplus fund	10,000.00
Undivided profits, less expenses and taxes paid	186.48
Individual deposits subject to check	\$29,988.59
Guaranty fund deposit	219.16
Time certificates of deposit	73,369.71
Bills payable	17,300.00
Total	\$141,063.94

State of North Dakota, County of Ward, ss.  
I, H. A. Kluyver, Cashier of the above named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.  
H. A. KLUYVER, Cashier.  
Subscribed and sworn to before me this 4th day of May, 1921.  
W. E. GROSS, Notary Public.  
Correct Attest: JAMES JOHNSON, Directors.

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# SPECIALS

For Thursday, Friday and Saturday

6 cans good CORN, for.....	66c	Package OATS, large, for.....	30c
6 cans TOMATOES, good for.....	99c	5-lb. pail PEANUT BUTTER, for.....	99c
3 lbs. COCOA, bulk, for.....	45c	One box TOILET SOAP, 3 bars for.....	17c
CREAM CHEESE, per pound.....	33c	3 cans SALMON, for.....	49c
CRISCO, 6 pounds for.....	\$1.20	PRUNES, good, 8 pounds for.....	80c
ARROW SOAP, 12 bars for.....	50c	5-lb. pail COFFEE, Blue Bird, for.....	\$1.95
BLUE ROSE RICE, 10 pounds for.....	65c	3 cans FRUIT, large assorted, for.....	99c
Bulk SODA CRACKERS, per pound.....	17c	Cood BROOMS, each.....	73c
HUNTS PERFECT BAKING POWDER, per pound.....	23c	10-lb. sack YELLOW CORN MEAL, per sack.....	50c
All 18c tins TOBACCO, for.....	15c	LOG CABIN SYRUP, per quart.....	73c
9-lb. sack of OATS, for.....	55c	10 pounds NAVY BEANS, for.....	75c
		10-lb. box MACARONI or SPAGHETTI, each.....	\$1.10

## Economy Department Store

Everything to Eat and Wear

43 South Main St. Phone 272-273 Minot, No. Dak.