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terrett



AT INFLUENCES YELDS OF CROPS?

jous Factors Described hich Will Bring Farmers Satisfactory Results.

roblem is to utilize these is such a way as to insure yields. Investigations at the Central Experimento(tawa, have led to the that the following factors of the influence towards in-

whole, drainage improves unical condition of the soil is in influencing the libera-unt food elements.

plant food elements.

food.—In proper proportions offerent classes of crop to be This involves the adoption cood crop rotation. This rotanual be a short one, say of 3 sars duration, and the order of is most important. Crops such a roots, potatoes and hay, relarge supplies of food from the retem, leaf and root growth any be most easily supplied by or other sod turned down, or any manuring. The cereals, as wheat, oats and barley, reless of this food and generally if sown the year following an ation of manure. The area to these cereals, if seeded down yer and grasses, will supply a top the third, or the third and years, and the sod turned

WILD FLOWERS By Rachael R. Todd, M.D.

Caulophyllum Thalictroides. Indian plants, of scent and hue, massed into the common clay."
—Shelley.

Price, per 1b., 35c, 5 1bs. \$1.65.

Catalogue free on request.

# War Garden Bulletin

PRACTICAL DAILY GUIDE FOR VACANT LOT AND BACKYARD GARDENERS ENLISTED IN GREATER PRODUCTION CAM-PAIGN.

Europe is short about 500,000,000 bushels of wheat. The United States and Canada are 34,000,000 bushels behind in their schedule of shipments from this continent to relieve the shortage. The surplus was used up long ago. Every bushel that we now use is snatched directly from people who are infinitely more deedy than we.

ratio results and results and results ed that there will be five million. How is it that Germany's food supplies have hung out? Because of her millions of war gardens during the last two years. It has been the same in Great Britain where the women and the boys and girls have all had their plots; and in France and in Italy. Even the soldies have their war gardens! The British army has ordered that every available bit of ground, even under shell fire, be put under cultivation. It will mean literally a million small gardens. If they can do it, the people of the Dominion can surely do their share. Every pound of potatoes, beans, peas, cabbage, parsnips and other vegetables grown in a home garden this

somposed and decomposing vegeble matter is provided in applications of barnyard manure, in legume ops such as clovers and in green anuring crops like buckwheat. Hums absorbs and holds soil moisture is a means of raising soil temerature, since dark soils absorb heat adily and rapidly.

Manure—Barnyard manure is most fective fertilizer and furnishes hums-forming material Fresh manure gives crop yields almost equal those from rotted manure, and these from rotted manure, and these from rotted manure, and those from rotted manure, and the same spots. It loves the rich moist mold of years' accumulation, but also thrives fairly well in open sunny spots where there is an abundance of moisture.

The plant is often found in company, or nearby the haunts of the trout lilies, hepatica, mandrake and their friends. In appearance it is not at all appealing to the casual observer, for the whole plant comes up dark and forbidding looking, the leaves being of a cold metallic, purplish, poisonous color, and covered with a fine, greyish white dusty, shims mery bloom. However, the leaves are very beautiful in shape, being three-leaflest, is stimulating and irritating to the human system.

Now as for the plant itself. It is a perennial, coming up year after and year after year in the same spots. It loves the rich moist mold of years' accumulation, but also thrives fairly well in open sunny spots where there is an abundance of moisture.

The plant is often found in company, or nearby the haunts of the trout lilies, hepatica, mandrake and their friends. In appearance it is not at all appealing to the casual observer, for the whole plant comes up dark and forbidding look-ing, the leaves being of a cold metallic, by the provide manure is most feet year in the same spots. It loves the rich moist was in the same spots. It loves the rich moist was in the same spots. It loves the rich manure is most feet year in the same spots. It loves the rich manure is for the rich manure is most feet year in the same spots. It loves the rich manure is m

with a line, greysh with the leaves are not to labor. Manure should be read evenly and incorporated thorowith the soil. Applications should be made in moderate quantities fremently, rather than in larger quantities at longer intervals. Apply the anure for hoed and clover or other anure for hoed and clover or other my grops in a suitable crop rotation hich provides that each field in the remember of manure.

Proper Cultural Methods.—To make good seed-bed requires thoroness in arrying out each step in its prepartion.

WILD FLOWERS

WILD FLOWERS

WILD FLOWERS

With a line, greysh with the way to he leaves are not to leaves are very beautiful in shape, being three-leafletd, each leaflet three-dented, on leafleted, each leaflet t

ficient to make the plant teresting one.

Along about June and July, the whole plant becomes a lighted hue, the purple brown color fading and a light sickly green taking its place. The blossoms are distinctive as the leaves are, and the plant should afford no difficulty in making itself known to searchers.

Early cabbage plants may be set out as soon as the garden is ready. amiliar wildflowers bear names, either lirectly Indian, or derived from the Inhave the rows three feet apart. The lian names, when it is remembered that, a this continent, as far as we now know, the Indians were the first tribal inhabiquires a rich warm soil, and the heads should be used as soon as they

Nor is it to be forgotten, that of all the important persons among the Indians, the one who undoubtedly held the highest power, and was held in awe and fear, was the one who could "make the strongest medicine."

So many of our early forest plants were intimately known of the North American Indians, that if it were possible to gather together a book on Indian plant lore, it would make a most interesting as well as valuable addition to Canadian literature.

The Papoose Root, as its Indian name in the dans should be used as soon as they mature, otherwise they are likely to burst and be lost. Early cabbage may be used for kraut.

It is a good idea to plan gardens on paper before planting, indicating for each vegetable the time of season the seed should be sown or the plants and rows, the amount of seed required to a given length of row, and the varieties to be planted.

SOW SIMMERS' SEEDS

LAWN GRASS should be sown as early as the ground can be worked. Buy your seed now and be ready. Buy "TORONTO PARKS MIXTURE," and get the best.

WHITE DUTCH CLOVER, for mixing with Lawn Grass,

"SHADY NOOK" GRASS MIXTURE, for sowing under trees and in shady places, per lb., 40c. SIMMERS' LAWN ENRICHER makes the grass grow. 5 lbs. 40c, 10 lbs. 75c, 25 lbs. \$1.50.

SWEET PEAS should be sown as early as the ground can be worked. We have all the leading named varieties, as well as the following popular mixtures:

SIMMERS' SUPERB SPENCER MIXTURE, pkt. 10c, oz. 25c. 2 oz. 45c, ¼ 1b. 80c, 1b. \$3.00.

ECKFORD'S UP-TO-DATE MIXTURE, pkt. 5c, oz. 10c,

All kinds of Vegetable and Flower Seeds in packets or in bulk, in quantities to suit.

J. A. SIMMERS, Limited

SOW SIMMERS'SEEDS

141-151 King St. East

## REACTION IN CORN **FOLLOWS ADVANCE**

Definition of Anti-Hoarding Law Has Bullish Effect on Prices.

Chicago, April 29.—Corn prices averaged much higher today owing to clear knowledge of the attitude of the food administration in regard to hedging sales. The market, however, failed to hold advances, and closed unsettled at the same \$1.27%, and July \$1.49% to \$1.49%. Oats

Sharp upturns at the outset in the corn market promptly showed the influence of a fresh statement defining what kind of transactions would fall under the ban of the anti-hoarding law, even if similar business had heretofore been able to escape explicit official disapproval. The reassuring development from a bullish point of view was that the government does not make it obligatory on grainhandlers to hedge holdings. Unfavorable weather tended also to lift the market, but sympathy with a break in the value of oats led to realizing and to a consequent pronounced setback from top prices.

Favorable crop conditions, together with slowness of eastern shipping call, made the oats market collapse. Advances due to corn strength were thus far more than offset in the late trading.

Selling pressure on pork carried down all provisions. The market had no aggressive support.

### Montreal Produce Market

Montreal, April 29.—In sympathy with weakness in the Chicago futures market for corn on Saturday, cash corn today was five cents per bushel lower for some grades, while others ruled steady, with offerings fair. The main depressing influence in the oats market was the continued slow domestic and export demand and No. 3 white sold at 4c per bushel over the May, while standard grades to arrive in 10 days were offered at 3c over May, the smallest premium for some time past.

A decidedly weak feeling developed today in the local market for cash sats and prices broke 4c to 5½c per bushel. Even at this decline buyers showed no disposition to operate and business was dull. The local and country trade in spring wheat flour was quiet and prices were unchanged.

Supplies of mill feed are still very limited and the volume of new business is

new feature to note today, business icherally being quiet, with prices for mall cheese for local consumption unchanged at 221/20 to 230 per pound.

Supplies of eggs coming forward continue large and there is a good demand for immediate consumption and for storage on account of the good quality of the stock. The receipts today were 3173 cases, against 2443 last Monday and 1783 on the corresponding date a year ago.

Oats—Canadian western, No. 3, 96c; extra No. 1 feed, 96c.

oats—canadian western, No. 3, 98c, extra No. 1 feed, 96c.

Flour—New standard spring wheat grade, \$10.95 to \$11.05.

Rolled oats—Bags, 90 lbs., \$5.35,

Bran, \$35.40; shorts, \$40.40; moullie.

\$75.

Hay—No. 2, per ton, car lots, \$17.

Cheese—Finest westerns, 22½c to 23c.
Butter—Choicest creamery, 45½c to 46c;
seconds, 44c to 44½c,
Eggs—Selected, 43c to 44c; No. 1 stock,
40c to 41c; No. 2 stock, 37c to 38c.
Potatoes—Per bag, car lots, \$1.45 to
\$1.50.
Dressed hogs—Abattoir killed, \$28.50 to
\$30.00.
Lard—Wood pails, 20 lbs., net, 31c to
31½c; pure tierces, 375 lbs., 32½c to 33c.

ODDFELLOWS' ANNIVERSARY

Chatham, April 29.—In observance of the 99th anniversary of the found-ing of the Independent Order of Odd-tellows about two hundred members of the Chathem encampment and the Rebekah Order attended divine service in Christ Church last night. The service was conducted by Canon Howard, who spoke on "Community."

Board of Trade

No. 3 yellow, kiln-dried, \$1.85, nominal, No. 4 yellow, kiln-dried, \$1.85, nominal, Ontario Oats (According to Freights Outside).

No. 2 white, 89c to 90c, nominal.
No. 3 white, 89c to 90c, nominal.
No. 2 winter, per car lot, \$2.22.
Peas (According to Freights Outside).
No. 2, nominal,
No. 2, nominal,
Sarley (According to Freights Outside),
Malting, \$1.52 to \$1.53.
Buckwheat (According to Freights Outside),
Malting, \$1.52 to \$1.53.
Buckwheat (According to Freights Outside),
Malting, \$1.52 to \$1.56.
Buckwheat, \$1.84 to \$1.86.
Rye (According to Freights Outside).
No. 2, \$2.65.
Manitoba Flour (Toronto),
War quality, \$11.10.
Ontario Flour (Prompt Shipment).
War quality, \$11.10.
War quality, \$10.80, in bags, Montreal; \$10.80, in bags, Toronto.
Milifeed (Car Lots, Delivered, Montreal Freights, Bags Included).
Bran. per ton, \$40.40.
Shorts, per ton, \$40.40.
No. 1, per ton, \$17 to \$18.
Mixed, per ton, \$17 to \$18.
Mixed, per ton, \$14 to \$18.
Straw (Track, Toronto),
Car lots, per ton, \$8.50 to \$9.
Farmers' Market,
Fall wheat—Milling, \$2.14 per bushel,
Goose wheat—\$2.10 to \$2.12 per bushel,
Barley—Malting, \$1.50 per bushel,
Buckwheat—\$1.85 per bushel,
Buckwheat—\$1.85 per bushel,
Rye—According to sample, nominal,
Hay—Timothy, \$20 to \$23 per ton,

\*\*T. Adwsence Market\*\*

ST. LAWRENCE MARKET.

Hay.—There were seven loads of hay brought in yesterday, which ranged in price from \$17 to \$20 per ton, according to the report of the city weighmaster.

Hay and Straw—
Hay, new, No. 1, ton. \$17 00 to \$18 00
Hay, No. 2, per ton. . 14 00 16 00
Straw, rye, per ton. . 20 00 26 00
Straw, loose, per ton. . 10 00 11 00
Straw, oat, bundled, per ton. . 16 00 18 00

Chickens, ordinary-fed, lb. 0 27

Fowls, 3½ lbs and under, lb. 0 25

Fowl, 3½ to 5 lbs. 0 30

Fawl, 5 lbs. and over, lb. 0 30

Turkeys, young, lb. 0 30

Turkeys, old, lb. 0 25

Dressed—

Chickens, milk-fed, lb. 35 to Chickens, ordinary-fed, Chickens, ordinary-fed,
1b. 0 20 ... 0 30
Fowl, 3½ to 5 lbs., lb. 0 30
Fowl, 5 lbs. and over, lb. 0 32
Ducks, lb. 0 30
Turkeys, lb. 0 40
Sugars.
Wholesale quotations to the retail trade on Canadian refined sugar, Toronto delivery, cwt.:

Wholesale quotations to the retail to on Canadian refined sugar, Toronto livery, cwt.

GRAIN AT WINNIPEG

Winnipeg, April 29.—There was little interest in the cash oats market today, with no demand and no offerings. There was a fair demand for cash barley, with offerings light. Cash flax was unchanged from yesterday.

Oats closed 2c lower for May and 1½c lower for July, Barley closed 1½c lower for July, Winnipeg market: Oats—May, 89%c to 89%c; July, 87½c to 87½c.

Barley—Not quoted.
Flax—May, 83.88; July, \$2.88.
Cash prices: Oats—No. 2 C.W., 86%c: No. 3 C.W., 83½c; extra No. 1 feed, 83½c; No. 1 feed, 80½c.

Barley—No. 3, \$1.50; No. 4, \$1.45; rejected, \$1.20.
Flax—No. 1 N.W.C., \$3.78; No. 2 C.W., \$3.74; No. 3 C.W., \$3.53.

ODDFELLOWS' ANNIVERSARY

Wholesale quotations to the retail to on Canadian refined sugar, Toronto livery, cwt.
Lantic, granulated
Lantic, light yellow
Lantic, brilliant yellow
Lantic, brila

Liverpool, April 29.—Beef, extra India mess, 370s.
Pork, prime mess, western, 330s. Hams, short cut, 14 to 16 lbs., 137s. Bacon, Cumberland cut, 26 to 30 lbs.,

59s.
Short clear backs, 16 to 20 lbs., 157s.
Shoulders, square, 11 to 13 lbs., 123s.
Lard, prime western, in tierces, 149s 6d;
American, refined, pails, 152s; do., boxes,

Tailow, Australian in London, Turpentine spirits. 125s. Rosin, common, 64s 6d. Petroleum, refined, 1s 6%d. Linseed oil, 62s. Cottonseed oil, 62s 6d. War kerosene, No. 2, 1s 2%d.

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Bracondale Garage, St. Clair and Shaw Sts. Hill 5296 Woodbine Garage, 1615 Queen E. Beach 1670

Motor Crashes Into Car. Injuring Two Passengers Chatham, April 29.-Miss Leona

O'Neill a student at Ursuline Convent, is lying in St. Joseph's Hospital as a is lying in St. Joseph's Hospital as a result of very serious injuries which she received when an automobile in which she was riding to church in company with Mr. and Mrs. Ovilla Faubert of Dover Township was struck by a Chatham. Wallaceburg and Lake Erie street car. Mrs. Paubert was also very seriously injured, altho her condition is not considered dangerous. The driver of the auto, Ovilla Faubert, escaped with a few painful cuis and britises.

They were right on the tracks be-fore they noticed the car. Mr. Fau-bert endeavored to stop the car by putting on the emergency brakes, but the auto slid directly in front of the

tirely denolished. Miss O'Neill being thrown thru the windshield a distance of twenty feet, while the wife of the driver was crushed in the debris. To-day Miss O'Neill's condition was regarded as dangerous.

MORE SHIPS LAUNCHED. Forty-One Thousand Tons Water in One Week.

ITALIANS TAKE PRISONERS. Harassing Artillery Fire Proceeds
Upon Asiago Plateau.

Rome, April 29 .- A score of prison ers and a machine gun were captured yesterday by the Italians in the coast. al region, the war office announces On the Asiago Plateau there was harazsing artillery fire. Italian and British patrols were active.

Washington, April 29. — American shipbuilders have responded to the shipping board's urgent demand for speed in production. In the week ending today they launched 41,105 tons, making a total of 1.405,000 tons since the building program got under way. Nearly 50,000 tons of completed whips were delivered during the week.

Sore Eyes inflamed by expensive to Sun, Dust and Wind Quickly relieved by Nuring Lyckemedy. No Smarting, just Eye Comfort. At Druggists or by mail 50c per Bottle. Marine Eye Salve in Tubes 25c. For Beek et the Eye FREE ask Murine Eye Bemedy Co., Chicage