

HORTICULTURAL

Prof. W. Saxby Blair, Supt. of the Experimental Station at Kentville, will furnish us with material from week to week bearing on Horticulture. We are confident that our readers will appreciate this valuable information as Prof. Blair is a well known authority, and if his suggestions and advice is followed, success is assured.

Cool and Warm Season Vegetables.

Vegetables can be conveniently divided into 2 classes in regard to their temperature requirements. The cabbage, lettuce and onion do not need as high a temperature as tomatoes, squash or melons. It may be desirable therefore to make a division in the centre of the hot-bed with a board thus enabling one to carry the heat loving plants at a higher temperature. It will help materially in starting plants to consider the heat requirements of the plants grown.

Early Cabbage and Cauliflower.

The cabbage and cauliflower for early crop should be started the last of March or early in April. In two weeks time when the first true leaf appears the plants are ready for pricking off into flats, about two inches apart each way, where they remain until set to the field early in May. The cabbage and cauliflower are cool season vegetables and can be set to the open as early as the ground can be worked. There is no great gain however in setting poorly developed plants to the open early, and unless they are well hardened off by allowing the flats to remain in the open for a week before transplanting they will suffer considerable check. It is better therefore to let the plants grow under good conditions and thereby develop better plants for setting out toward the latter part of May. The plants should have five weeks growth at least from seeding before planting out to get thrifty plants.

The Copenhagen Market is hardly as early as the Jersey Wakefield but it is a much better sort and forms a round solid head. Plants from seed started March 28th, and pricked off April 10th, were set to the open ground May 8th, and gave marketable heads July 22nd weighing three pounds each.

Cold weather may come on after the early planting in May and the plants may take on an apparently stunted growth, but during this time the roots are becoming developed in the soil and when more favorable weather approaches they grow rapidly. A frost does not injure the plant if it is established in the soil. For early cabbage therefore let us get the seed started now.

The Cauliflower can be grown in the same way, and if given the same treatment will give fine large heads in July.

The root maggot has caused much disappointment to the grower of early cabbage and cauliflower. About the time the plants are making strong growth in June they commence to wilt and an examination of the roots reveals the cause of the trouble in the form of a white maggot which eats the tissues of the root at the base of the plant. This maggot develops from an egg laid by a small fly the latter part of May or early in June at the surface of the soil around base of the plant. To prevent this tar felt discs are placed snugly around the plants right after they are set. The discs are made out of tar paper about 2 1/2 to 3 inches in diameter and a slit is cut one-half way toward the centre with a cross cut at the centre of one-quarter inch to allow for the plant. The disc is so placed that it forms a collar around the base of the plant with the plant in the centre. This if carefully put around the plant at the surface of the ground keeps the fly from contact with the soil and rather than deposit her eggs on the tar paper she will go to some other plants. If early cab-

bage are hoped for do not neglect the tar felt discs. In only a short job to make them and over 80 per cent of the cabbage can be saved from this troublesome insect by them.

The Eufurt cauliflower, is the best variety to use. Cover the seed about one-quarter inch deep. The plants are a little more delicate than the cabbage and if the plants suffer a check from careless transplanting they may not grow good heads. Examine the roots of the seedlings when pricking them into flats as sometimes the damping off fungus may cause injury to the outer tissue at the base of the plant in which case this part will be black and a poor plant will result.

Early Lettuce.

Early lettuce can be had by starting the plants at the same time as early cabbage. The plants can be set to the ground any time after the first week in May and it requires five weeks to grow good well hardened plants. Like the cabbage the early seeded well developed plants are necessary for early lettuce. It is also desirable that the plants be once transplanted into other flats as is the case with the early cabbage to get a compact root system which will start well under unfavorable soil conditions in the early spring.

Seed of Grand Rapids one of the best open head varieties started in flats March 28th, pricked into other flats April 14 and set to the field May 9th produced heads averaging in weight 1 pound 3 ounces on July 2nd. Whereas seed sown in the open ground May 14th and thinned to 6 inches apart produced heads August 4th weighing 15 ounces.

The All Heart is one of the best cabbage head varieties. The Hanson Improved is also a good one.

The All Heart planted as indicated for Grand Rapids gave heads on June 27th and July 2nd averaging 15 ounces and seed started in the open ground May 14th gave heads weighing 13 ounces July 28th.

Ordering Vegetable Seeds

To decide what varieties of vegetables to order is often very difficult. One can in a measure decide from a seed catalogue but as a rule they are rather confusing and possibly a list of those found to be the most suitable will be helpful. We therefore will submit the following list as being quite suitable:

- Lettuce**—Grand Rapids, Hanson Improved and All Heart.
- Cabbage**—Copenhagen Market and any of the Drumhead sorts for late, and Danish Roundhead for winter storage.
- Celery**—White Plume for very early, Paris Golden for general crops and Winter Queen for late storage.
- Cauliflower**—Early Erfurt.
- Onions**—Globe Danvers, and Prizetaker. For seeding out—Extra Early Red.
- Tomatoes**—Earliana and Bonny Best.
- Peas**—Thomas Laxton, Gradus for Early and Strategem for late.
- Beans**—Wardwells Wax, Stringless green pod and Refugee or 1000 to 1.
- Cucumbers**—White Spine.
- Carrots**—Chantenay and Danvers.
- Parsnip**—Selected Hollow Crown.
- Spinach**—Bloomdale.
- Radish**—Ne Plus Ultra and Icicle.
- Parsley**—Champion Moss Curled.

Corn—Early Malcolm, Early Cory and Golden Bantam.
Beets—Selected Globe.
Squash—English Vegetable Marrow, Hubbard and Boston Marrow.
Pumpkin—Small Sugar
Tomatoes

Tomatoes require a high temperature and come into the warm season class of vegetables. It is not possible to plant out to the open ground until the first week in June. Six to eight weeks is required for developing good plants. If plants are carried eight weeks care must be taken to give them ample room and proper attention otherwise they may be drawn or spindling plants of little substance. A short stocky plant kept growing at a moderate temperature and given plenty of room is required. It is better therefore if much space cannot be given to develop the plant in six rather than eight weeks. The plant however two months old at planting time if carried and handled without check will planting will vary therefore from the first to the 2nd week in April.

The seed should be started in flats, and when two to three weeks old are set to other flats 4 to 6 inches apart. It is better to give 6 inches, putting 6 plants in a 12 by 18 inch flat. Strawberry boxes are good for this work placing one plant in a box. Put a piece of birch bark or something similar in the corner of the box to prevent the soil from washing out thus making it difficult to water the soil in which the plant is growing. When ready to plant out the box is cut and the plant does not suffer a check from the soil having been disturbed. Aim to keep the plant in a vigorous healthy condition by giving plenty of ventilation and do not force growth too much but rather develop a sturdy plant which will stand upright when set out. In many cases transplanted plants are not satisfactory because they have been grown under high temperature conditions and when placed in the open suffer a decided check. See that the plants are well hardened, by leaving them in the open during the last week particularly during the day. It will be seen therefore that to handle plants in this way for time than usually given for their development is necessary. If space is lacking the plants may be first transplanted three inches apart and later set to the greater distance. The transplanting gives a more compact root system and the plant will as a result do better when set out.

The Earliana is without doubt the earliest variety. The Bonny Best is a little smoother and a little later. The Early Jewel is a good later sort.

W. S. BLAIR.

Wanted—Every Wednesday morning at Waterville, also Thursday at Kentville, good fat dressed hogs, weighing from 100 to 180 lbs. Also hides and pelts. Highest market prices paid for same. Arthur Rockwell, Kinsman Corner, a t

Good Better Best

Yes, we handle only good Flour and Feeds. It is absolutely better in price, and what is more, it is the best that can be bought. Come and try a barrel and then, quite naturally you will come back for a second. Ogilvie's Co-operative Hard Wheat Flour.....\$7.10
Ogilvie's best Wheat Middlings 1.60
Ogilvie's best Wheat Bran 1.45
Ogilvie's Rolled Oats 1.50
Royal Corn Meal 2.00
Ideal Feed Flour..... 2.10

Also a few bags of "The Lake of the Woods" Feed Flour at \$1.90

The Kentville Fruit Company, Limited

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I have three pens of **White Wyandottes** all headed by **Imported Laying Strain Birds**

Eggs from No. 1 pen \$2.00 setting
Eggs from No. 2 pen 1.50 setting
Eggs from No. 3 pen 75c setting
My Pullets hatched in May, 1914, started laying in November and have laid all winter. For the best cockerel and pullet hatched from eggs from my No. 1 pen I will give a cash prize of \$1.50 each; for the best cockerel and pullet from my No. 2 pen a cash prize of \$1.00 each; and for the best cockerel and pullet from my No. 3 pen a cash prize of 50c each. Birds to be exhibited and judged at the Kings County Poultry Show in January 1917

E. H. DODGE KENTVILLE

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100 Barrels Flour best on the market 100 Bags Bran 100 Bags Middlings

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Come early to secure bargains.—The lots are small and prices low.

L. B. DODGE, Agent

DOMINION ATLANTIC RAILWAY & STEAMERS

Kentville Time Table effective Nov. 1st 1915. (Service daily except Sunday)

LEAVE

Express for Halifax.....	6 00 a.m.
Express for Yarmouth.....	10 18 a.m.
Express for Halifax.....	4 00 p.m.
Accom. for Halifax.....	12 00 a.m.
Accom. for Annapolis.....	3 00 p.m.
Accom. for Kingsport.....	11 00 a.m.
Accom. for Kingsport.....	4 05 p.m.

ARRIVE

Express from Halifax.....	10 10 a.m.
Express from Yarmouth.....	3 51 p.m.
Express from Halifax.....	6 10 p.m.
Accom. from Halifax.....	2 15 p.m.
Accom. from Annapolis.....	11 45 a.m.
Accom. from Kingsport.....	8 55 a.m.
Accom. from Kingsport.....	2 35 p.m.
Accom. from Kingsport, Sat.	only 5 32 p.m.

Midland Division

Trains of the Midland Division leave Windsor daily (except Sunday) for Truro at 7:05 a.m., 5:10 p.m., and 7:50 a.m. from Truro for Windsor at 6:40 a.m., 2:50 p.m., and 12:50 p.m. connecting at Truro with trains of the Intercolonial Railway and at Windsor with express trains to and from Halifax and Yarmouth. Buffet parlor cars run daily (except Sunday) on Mail Express trains between Halifax and Yarmouth.

Canadian Pacific Railway

To ST. JOHN and MONTREAL (via Digby) (Daily Sunday excepted)
S. S. YARMOUTH leaves St. John 7:00 a.m., arr. Digby 10:15 a.m., leaves Digby 1:50 p.m., arr. St. John 5:00 p.m. making connections with the Canadian Pacific trains at St. John for Montreal and the West
Trains run on Atlantic Standard time

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From London	From Halifax
Feb. 10 Rappahannock	Feb. 2
Feb. 29 Shenandoah	Mar. 1
Mar. 14 Kanawha	Mar. 3
From Liverpool	From Halifax via St.
John's, Nfld.	John's, Nfld.
Jan. 31 Dromore
Feb. 15 Durango	Feb. 1
Feb. 25 Graciana	Mar. 1
Mar. 5 Tabasco	Mar. 2

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—James Russell Lowell