

pected to take care of itself. We visited the same patch illustrated in Fig. 3, two years after that photograph was taken. What we saw then is illustrated in Fig. 4. Here we have a striking example of

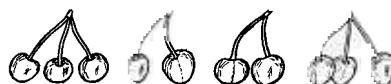
the results of neglect. The owner, trying to operate a dairy farm and peach orchard under war conditions with a scarcity of labor, was unable to take care of his raspberries.



A profitable Latham patch in southern Illinois.



Fig. 4. A neglected Latham raspberry patch



## Michigan and Indiana Growers Appraise Fruit Varieties

By JOHN T. BREGGER

Chairman, Variety Appraisal Committee

In the preceding issue of this magazine, I attempted to describe in a brief way the plans and purposes of the American Pomological Society's project of fruit variety appraisal. Now it is possible to present the first findings of this survey. Although this first report is but a small part of the total survey, it indicates the type of information which will

be available for subsequent summaries.

Michigan and Indiana are two of the most important apple and peach states in the North. What growers of these two states think about apple and peach varieties should give a definite clue as to the trend of new plantings and tree removals in that part of the country. While not all individual fruit growers think alike, there is a surprising uniformity of opinion among them.

### Apple Varieties

We can well pass over at this time a complete listing of all varieties showing the number and ratio of each in existing orchards. The leading apple varieties in Michigan and Indiana, based on their frequency of appearance, are given in Table 1.

TABLE 1. Leading apple varieties in Michigan and Indiana in order of importance.

MICHIGAN	INDIANA
1. Jonathan	1. Rome
2. McIntosh	2. Stayman
3. Northern Spy	3. Jonathan
4. Delicious	4. Grimes
5. Rhode Island	5. Golden Delicious
6. Baldwin	6. Delicious
7. Grimes	7. Turley
8. Stayman	8. Ben Davis
9. Golden Delicious	(and Gano)
10. Wagener	9. Winesap
11. Duchess	10. Wealthy
12. Fameuse	10. Yel. Transparent

The next step is a determination of what varieties would be planted by these same growers were they planting an orchard today. Here the list changes somewhat, although the first few varieties in each state remain about the same. The "intentions to plant" list for Michigan runs as follows: Jonathan, Northern Spy, McIntosh, Delicious, Rome, Rhode Island, Stayman, Golden Delicious, Red Can-

TABLE 2 — Anticipated percentage planting of apple varieties in new orchards.

	MICHIGAN	INDIANA	%
	%	%	
Jonathan	33	Jonathan	21
Northern Spy	23	Rome	18
McIntosh	19	Golden Delicious	17
Delicious	18	Delicious	13
Rome	17	Stayman	13
Rhode Island	13	Turley	12
Stayman	11	Grimes	10
Golden Delicious	11		

ada and Wealthy. In Indiana only six are strongly favored on the "new planting" list, Jonathan, Rome, Golden Delicious, Stayman, Turley and Grimes. Table 2 indicates the percentage of these varieties which growers would include in new plantings.

The most interesting and impressive part of the apple survey is the list of varieties which fruit growers would discard. Table 3 lists the varieties which were suggested for discard in the two states included in this report. Varieties on which opinions to plant or to discard were fairly well divided were Delicious, Maiden Blush, McIntosh, Wealthy and Yellow Transparent for Indiana; and Cortland for Michigan.

TABLE 3 — Apple varieties to be discarded in Michigan and Indiana

To be discarded in both Michigan and Indiana	Additional varieties to be discarded in Michigan	Additional varieties to be discarded in Indiana
Baldwin	Maiden Blush	Arkansas
Ben Davis	Stark	Benoni
Chenango	Northwestern	Hubbardston
Duchess	Tompkins King	Northern Spy
Fameuse	Yellow Transparent	Rhode Island
King David		Wagener
Rambo		Winesap
Red Astrachan		York
Tolman Sweet		
Wagener		
Winter Banana		
Wolf River		

It is significant that in the case of most red varieties, the trend toward using various red strains is very strong. Thus Gallia Beauty and red strains of Rome, as well as the red strains of Delicious and Stayman are strongly favored. Red strains of Northern Spy, Jonathan and McIntosh, however, are less emphasized in this section of the country.

### Peach Varieties

The results of the peach variety survey is equally interesting. Out of about twenty varieties widely prevalent in existing orchards, more than half were planned for omission from future plantings. The chief "discarded" varieties in the Michigan survey are Admiral Dewey, Arp, Carman, Champion, Early Crawford, Late Crawford, Lemon Free, Oriole, South Haven and Wilma. Indiana growers, on the other hand, plan to largely eliminate Carman, Early Wheeler (Red Bird), Hardee, Lemon Free, Mayflower and Rochester. Favored varieties for new plantings are listed in table 4.

The continued prestige of the Elberta peach in the North is most striking. While a larger number of Michigan growers would prefer Halehaven over Elberta, even they would plant a large acreage of Elberta. Favor was almost equally divided on the question of planting or discarding Early Elberta in Michigan, and South Haven in Indiana. New varieties other than those originating in Michigan are almost absent from consideration, showing that it takes a long time for even a superior new variety to become established.

TABLE 4. Peach varieties to be included in new plantings.

	No. of growers reporting planned plantings	Average percent of total acreage
<b>MICHIGAN</b>		
Halehaven	87	32
Elberta	72	38
Redhaven	58	15
Fertile Hale	27	15
Golden Jubilee	26	9
J. H. Hale	22	16
Rochester	22	14
Early Halehaven	22	11
Kalhaven	16	10
Gage Elberta	12	15
Early Elberta	11	13
Sunday Elberta	9	11
<b>INDIANA</b>		
Elberta	21	41
Halehaven	20	27
Golden Jubilee	15	14
Redhaven	14	13
Early Elberta (Gleason)	10	18
Belle of Georgia	10	11
J. H. Hale	10	9
Champion	10	7
Shipper's Late Red (Big Red)	9	29

### Future Reports

Additional installments of the report on apple and peach variety surveys will be published in subsequent issues of this magazine. Already twenty states have made full reports and more are expected in the near future. Regional as well as state summaries will be made as time goes on, which should bring out in a general way the trend of variety planting and a basis on which nurseries can adjust their propagation lists and change their catalogs for the best interests of all concerned.