Researchers Find Way To Grow Fine Turkish Tobacco In U.S.

to the skillful blendwith domestic to-

aromatic leaf is high quality pro-

Tabor City Street Scene Looking North



come of \$600 an acre would not

does not five years. For prior decades it tation of its desire to serve the out as a co-operative project pletion of several years study of out as a co-operative project pletion of several years study of had been contended that Turkish region in which it is situated.

be areas bordering the Mediterran- program have resulted in im- North Carolina, Virginia, and termine definitely whether a crop growth and ean and Black Seas, and the nu- portant contribution toward the South Carolina the size American Turkish is as good if of controls over such serious to- ford, N. C., has been one of the

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industrial aspects of the tobacco under the general direction of study of the economic factors inindustry through the Department Dr. Paul Gross, chairman of the volved. has been under way for over of Chemistry is another manifes-

merous attempts to produce it development of a domestic cigarsuccessfully in other areas have ette paper industry in North Car-

mold and Granville wilt.

gram this summer and in sub-duction of this popular blending Department of Chemistry has way is an investigation of the glands on the leaf surface of sequent seasons will include at tobacco in this country goes to a been in charge of the Turkish to- best procedures for handling these these aromatic tobaccos tempts to solve the labor-cost small group of Duke and agri-bacco experimental laboratory and leaves at harvest and a study of problem. Turkish brings a sub- cultural scientists of the three field research, a task which in- harvesting costs. In addition less stantially higher price per pound states, who have been supported volved the responsibility of co-costly methods of curing are berowers in the than does domestic leaf. Once in their work by Duke univer- ordinating the project between ing investigated. the General Education the participating agencies and board, the agricultural agencies individuals. Dr. F. A. Wolf of of the three states and four of the Duke Department of Botany that from 700 to 900 pounds of has been in charge of the breed- excellent Turkish can be grown

between Duke and the agricul- planting, harvesting, and handling would thrive only in certain Earlier aspects of this research tural agencies of the states of costs will it be possible to de

KEY MAN

Now it is proved that olina and toward the development tobacco experiment station at Ox- Production in missioner Kerr Scott, Dr. L. D. mont regions of the Eastern Baver, director of the North Car- slope of the Blue Ridge from olina agricultural experiment sta- Virginia to South Carolina are tion, and Fred Miller, director of considered to be the most favorrying on most of the agronomic The economic situation over the program. On the basis of his ex- past 20 years has operated to made many suggestions helpful and more marginal and to deprive

ried on at the Chatham experi- creasing preference by American ment station under the direction smokers for lighter eastern flueof E. M. Mathews who had long cured types of tobacco has rebeen interested in the possibility duced the demands for the heavof producing Turkish tobacco in er types formerly grown on the plantings there before the incep- Virginia so that a new cash crop garian who had had experience his higher production costs, the the old country.

The subsequent development of South Carolina. this work in Virginia was made A second factor of economic possible by the support of Dr. importance and significance is A. W. Drinkard, Jr., director of that these tobaccos thrive better the Virginia Agricultural Experi- with organic, types of fertilizers, ment station, and of Dr. T. B. such as are commonly used for Hutcheson, agronomist for the flue-cured tobacco production. Virginia Experiment station. The widespread introduction of Since 1944 the program has been such a profitable crop as Turkish extended to include work in South tobacco to these farms

ion that it is not necessary to ducted on a broad, scientific basis, of flue-cured tobs

One of the interesting revela-

import fresh seed from the Euro- Field fertilization tests were acpean growing regions each year companied by extensive tobacco after transplanting for plantings in this country. It analyses of both the local grown to nine primings, had previously been thought that and imported Turkish. This corwould not continue to produce work was done under the direc-

der greatly different conditions from those of the familiar flueto 6 inches apart and in rows 20 tained.

labor of planting, there is ample any of the original varieties. compensation in the fact that In an entirely different direction

Duke university's interest in ing and genetic experiments. The per acre, the investigations are

can be produced economically un-

this country and who made trial farms of the western Piedmont in by Luben Spasoff, a native Bul- of income in this area. Due to in growing Turkish tobacco in same situation prevails for the small cotton farmers in western

Carolina through the cooperation require the production of more number of hair glands. of Dr. R. F. Poole, president of animal manures and thereby en- The harvesting of Turkish is by hand, the handling of Clemson college, and the active courage the keeping of livestock. the "priming" method. Leaves

whole is to be attributed to the long,

ed very close together, from 5 ples of seed were originally obed conditions the closely spaced most instances to be mixtures of stalks produce a large number of various tobaccos. Careful selecsmall leaves. There are 55 to 60 tion of the most desirable plants thousand Turkish plants per from several varieties have led While this process increases the the Southeastern areas than were

the crop while growing needs careful laboratory and field exvery little weeding or cultivation, perimentation under the direction The exceptionally large number of Dr. Wolf has shown a correlaof plants per acre and the numer- tion between the development of theless, means the harvest re- in different types of tobacco Dr. F. R. Darkis, of the Duke taking hand labor. Now under tent which exudes from the hair

work of H. A. McGee, G. H. Grif- A more balanced agriculture on are harvested as they mature, be- quired for each acre seven weeks take place.

seed grown in the United States relation of laboratory and field remove all leaves from the stalk. the success of the program as a strong twine by the use of a and density of the leaves and the

these farms would be the result. ginning with the lower and going The strings of leaves are sus-The present experiments in the toward the top of the stalk. The pended between sticks and left tions of this co-operative research growth of Turkish, so far as it leaves are harvested when they to wilt in a cool humid place for program has been the demonstra- is known, are the first to be con- are much greener han are those 36 to 72 hours, allowing certains o, the lower desirable chemical changes to

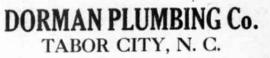
tion of Dr. Darkis, and much of the leaves are strung on a small, ing according to the compactness

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