Hybrid corn produced 600,000 more bushels in 1942 than open pollinated corn would have produced on the same acreage with the same amount of labor. This extra production made possible 41 more pounds of pork for every citizen of the United States the past year.

In a war in which every pork chop equals a bullet, these figures from the U. S. Department of Agriculture well prove the worth of Dr. O. J. Eigsti's experiments in hybrid corn growing in Oklahoma.

Dr. Eigsti, associate professor of botany at the University, is a native of the corn belt country where over 75 percent of the acreage is planted to hybrids each year. Iowa has 98 percent. When he came to O. U. in 1938, Dr. Eigsti was struck by the lack of use of hybrid corn by Oklahoma farmers.

The following summer he conferred with Dr. J. R. Holbert of the Funk Brothers Seed Company, creators of Funk's G-Hybrids, and began active research on the possibilities of hybrid corn in Oklahoma.

Hybrid corn is specialized corn bred to make maximum yields under the soil and climatic conditions existing at a given location. A half dozen or more new strains developed through long years of endeavor are needed for a land with such a great range of soil and climate as Oklahoma's.

In 1941, the tests showed definite possibilities of some hybrids for the areas concerned. This was the first step in developing new hybrids for Oklahoma.

More test plots were made in 1942 over a wider area. Some of the strains tested previously were discarded and some new ones were included in the survey. Hybrid corn was found to be superior in the majority of cases.

The hybrids tested in 1943 with the aid of grants from the University Research Institute were subjected to Oklahoma farmers' two worst enemies, cyclonic storms and drought, and hence furnished Dr. Eigsti an excellent opportunity to discover their worth for this section of the country.

During a terrific storm localized at Norman on July 7, 80 percent of the stalks were blown down. These that fell under storm are eliminated from the breeding program. The long drought which persisted in late summer cut a swath in the remaining. However, the hybrids which withstood this display of Oklahoma's weather will produce better and stronger corn in the future.

Even under the conditions of 1943, R. L. Jamison who farms east of Haskell, harvested a yield which averaged 66 bushels of hybrid corn per acre. He reported that the open pollinated varieties grown in the neighborhood ranged from 0 to 35.

Dr. Eigsti pointed out that such excellent results would not be obtained from the same hybrid in all parts of Oklahoma on every farm. Mr. Jamison farms bottom land which has a good supply of subsoil moisture necessary for good corn yields when there is very little rain after corn is about one foot high. Most of the tests conducted have been on land especially suited to corn; the sandy loam soils of riper bottom areas in Eastern Oklahoma. As hybrids become more in demand for Oklahoma use, additional research will be done on upland soil where to date there has not been as much increase of yield of hybrids over the native varieties.

Another farmer, L. W. Jackson, planted both hybrid corn and the open pollinated type in his field located in the Eagle Lake bottom of the Red River valley. This is south of Durant. One hybrid averaged 97 bushels per acre and another 95. The open pollinated corn produced 80.

In a location west of Paul Valley on excellent soil, one hybrid yielded over 95 bushels per acre under what can truly be called drought conditions. The corn did
not have rain after June 6. However, the subsol moisture on the location was plentiful. Dr. Egisti said that hybrid corn is able to take advantage of this moisture by a root system which enables such plants to utilize the subsol moisture when the weather is dry and hot.

The higher cost of hybrid corn is necessitated by the additional labor required to develop the hybrid. The breeder must dessel the corn by hand in order to prevent indiscriminate pollination and to keep the strain pure. However, the vigor and uniformity shown by hybrid corn enables most farmers to harvest yields that repay them many times for the slight increase. It has been estimated by farm crop specialists that an increase of 12½ bushels per acre of corn doubles the profit per acre in spite of slightly increased costs for seed.

Farmers desiring information about sources of hybrid corn seed suitable for planting in Oklahoma are invited to correspond with Dr. Egisti for further details. ▲▲▲

**With the Armed Forces**

(Continued from Page 16)

Ensign Tommy S. Myers, 37-59, Wichita Falls, Texas, was assigned to duty at the Naval Air Station, Floyd Bennett Field, New York City.

Julian W. Field, 42-43, Oklahoma City, Oklahoma, hospital apprentice first class, was on duty at the Naval Hospital, Long Island, New York.

Wendell Tomberlin, 39-41, former University art teacher, on duty at the Naval Air Technical Training Center at Norman, has received the rate of aviation ordnance man second class.

Aviation Cadet Arlie Green, 41-42, Bartlesville, was transferred for basic training at the Naval Air Station at Norman.

Lt. Joe L. Dier, 32-33, Woodward, of the Naval Medical Corps, was on duty at the Naval Air Gunnery School at Pursell.

John E. Wey, 41, Oklahoma City, Naval air pilot first class, is attached to a squadron at the Naval Air Station, Tillamook, Oregon.

Ensign G. G. Evans, Jr., 37, Sand Springs, was on duty at the Naval Air Station, Beaufort, South Carolina.

Lt. E. N. Davis, 40-42, Memphis, Oklahoma City, has been transferred to duty in the dispensary at the Naval Air Station, Memphis, Tennessee.

Aviation Cadet Raymond S. Knox, 40-43, Norman, was attending Naval Flight Preparatory School at Austin, Texas.

Ensign Robert R. Evans, 40, Norman, was attending Officers Training School of the Construction Engineers Corps at Camp Peary, Virginia.

**Medical Graduates**

Fifty-one members of the senior class scheduled to receive the M. D. degree on December 23 and their internships are as follows:

- George Mullins Adams, U. S. Naval Hospital, San Diego, California; James Leon Alexander, Jefferson Davis Hospital, Houston, Texas; Thomas Page Anderson, St. Paul’s Hospital, Dallas, Texas; Homer Vincent Archer, New Rochelle Hospital, New Rochelle, New York; Eugene Harlin Arrendell, U. S. Naval Hospital.
- Jack Duane Ballard, U. S. Naval Hospital; Joseph Price Bell, University Hospital, Oklahoma City; Charles David Bodine, Mercy Hospital, Chicago; Clifford Alton Brown, St. Anthony Hospital, Oklahoma City; George MacMillan Brown, Jr., U. S. Naval Hospital, Bainbridge, Maryland; Hershel Gray Carter, U. S. Naval Hospital; Samuel Lewis Cohen, Jewish Hospital, San Francisco; Julian Harold Conlan, St. Luke’s Hospital, Cleveland, Ohio; Everett Ellis Cooke, Jersey City Medical Center, Jersey City, New Jersey; Glenn Wendell Cosby, St. Anthony Hospital, Oklahoma City;
- Marvin LeRoy Colten, Jersey City Medical Center, Jersey City, New Jersey; Clarence Benton Dawson, Augusta City Hospital, Chicago; John Donnell, Jersey City Medical Center, Jersey City, New Jersey; Louise Kinkaid Farr, University Hospital, Oklahoma City; Philip Raymond Fife, Wesley Hospital, Oklahoma City.
- Safety Reul Fisk, Hillcrest Memorial Hospital, Tulsa; Herman Floyd Flanigan, Jr., University Hospital, Oklahoma City; William Forrest Fluh, Presbyterian Hospital, Los Angeles, California; Clifford Felix Gastineau, Colorado General Hospital, Denver, Colorado; Rene G. Gerard, St. Paul’s Hospital, Dallas, Texas.
- Robert Perry Holt, Anchor Hospital, St. Paul, Minnesota; Jack Van Doorn Hough, U. S. Naval Hospital, Farragut, Idaho; Dick H. P. Huff, Jefferson Davis Hospital, Houston, Texas; Kenneth B. Knox, Hollywood Presbyterian Hospital, Los Angeles, California; Milton Krichman, University Hospital, Oklahoma City.
- William Evart Knight, University Hospital, Oklahoma City; John Aubrey McIntyre, U. S. Naval Hospital, Norman, Oklahoma; Paul David Macray, Wesley Hospital, Oklahoma City; Armond M. Meis, Mercy Hospital, Denver, Colorado; Donna Lee Harned Metz, Mercy Hospital, Denver, Colorado.
- James Neil Neil, St. Luke’s Hospital, Duluth, Minnesota; William Lee Rector, Jr., Iowa Lutheran Hospital, Des Moines, Iowa; Earl Moore Robinson, Wesley Hospital, Oklahoma City; Louis Stong Rockett, Iowa Lutheran Hospital, Des Moines, Iowa; Harold Ray Sanders, St. Anthony Hospital, Oklahoma City.
- Arthur Waldo Steidle, University Hospital, Oklahoma City; Clinton Riley Strong, U. S. Naval Hospital, Long Beach, California; Fred Wilbur Taylor, U. S. Naval Hospital, Farragut, Idaho; William Ben Thompson, New Rochelle Hospital, New Rochelle, New York; Jack Burgess Tolbert, Good Samaritan Hospital, Portland, Oregon.
- Henry Constantine Traska, St. Mary’s Hospital, Chicago; Edwin Charles Turner, Swedish Hospital, Seattle, Washington; Ethan Allen Walker, Jr., U. S. Naval Hospital, Bainbridge, Maryland; Ronald Alvin Whiteacre, University Hospital, Oklahoma City; George Louis Wid, U. S. Naval Hospital, Bethesda, Maryland; James E. Withers, Baptist Memorial Hospital, Memphis, Tennessee.

**Hal Muldrow, Jr. '28**

Insurance of all Kinds of Bonds


Norman, Okla.

**Soonier Magazine**