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Engineer Says Vegetable Growers In Era Of Mechanization

mechanization including seed cause of too tightly packed coating, harvesting, and packaging, ings which restrict the supply according to an Extension agri- of oxygen to the seed" cultural engineer at The Pennsylvania State University.

cently that "the total harvester era is well launched and com-1970's The functions of the tocontrolled, monitored, and react to poor quality fruit and adverse harvesting conditions "

He also said considerable research is now being centered on the problems encountered in direct seeding vegetables. The difficulty here lies in "singulating" the small and irregular shaped seeds In addition, problems of soil crusting may delay or prevent plant emergence

Coated seeds can be "singulated" and spaced in the row number of these coated seeds lets were tested. are available commercially.

My Neighbors

SALES DIVISION

Pennsylvania vegetable grow sulted by using these coated ers have entered an era of total seeds," Horne said, "perhaps be-

Vacuum pick-up devices for Burton S.Horne told the Vege. planting "naked seeds" have

> whereby the necessary plant any nurse crop, is advised for nutrient requirements, weed the new grass stand control, protection against herbicide damage, favorable soil contact, and moisture relationship are met during planting," Horne emphasized.

Pellets, tablets, capsules, waffairly accurately with currently ers, and the vermiculite seed available planting units. Seed tablet have resulted from this coated with clay, vermiculite, approach In addition, several sugar and sand mixtures have cylindrical shapes as well as been used in field trials and a spherical and cone shaped tab-

"In spite of the many techno-"In certain cases, however, in- logical advances needed to consistent germination has re- achieve total mechanization in vegetable production, the major problems will undoubtedly be solved before 1980," Horen said

Price Advances

I'm aware of the scarcity of bedding for all types of livestock and the recent price advances. With many farmers growing more corn and less small grain, this condition could get more severe in the future Winter wheat growers can increase both the yield of wheat and the straw by top-dressing about the middle of table Growers Conference retory, but under field conditions. This extra plant food will help vibration and dust become ma- yields more on poor soils or on plete success will be met in the jor problems, the ag engineer sand or shale Fields that are to stated. Precision plate planters, he seeded down to a grass-legtal harvester will be precise, as all planters for small un- ume mixture should not be given coated seeds, produce misses or the normal 40 to 50 pounds of doubles depending on the ma- actual nitrogen per acre, the chine adjustment and operating extra growth on the grain will decrease the legume stand A "The 'packaged environment' straight Spring seeding, or an concept has been initiated early August seeding without



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