High-Lysine Corn

Tomorrow's One-Shot Ration?

coin alone, but someday they cently, may thrive on unsupplemented high lysine coin

Lysine and tryptophan are furgue (instant) Experiment 36 times faster than annuals and corn alone. The Use: High-lysine coin will supply much aced-quality protein. Both are defici-cent in all grains now used as feed on feed for hogs and poultry Hogs they discovered that opaque-2 they discovered that opaque-2 hybrid corn with a soybean meal and poultry, which consumed 62 before they discovered that opaque-2 hybrid corn with a soybean meal and poultry, which consumed 62 before they discovered that opaque-2 hybrid corn with a soybean meal and poultry, which consumed 62 before the lysine and they discovered that opaque-2 hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and they discovered that opaque-2 hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and before the lysine and hybrid corn with a soybean meal and poultry which consumed 62 before the lysine and before poultry without a supplement to supply these amino acids would houses the lysine and to normal to animals ied on iced for hogs and poultry. Which consumed 62 samples had twice the lysine and tryptophan content of normal to animals ied on iced for hogs and poultry, which consumed 62 percent of the corn fed in 1967, those under 4, who need it for hogs and poultry is an development. without nails.

announced that they would have ment of Agriculture. enough seed to plant 18,000 acres of high-lysine coin next spring This indicates that large-scale duced into several lines of corn, production may be closer than which showed increased protein the researchers who discovered content-as well as having twice

in opaque coin and named it coin epaque-2 The effect that the

The opaque-2 gene was introhigh lysine coin had expected. as much lysine and increased The high lysine corn story be-gan over 30 years ago at Cornell University, when scientists round a mutant recessive gene in opaque corn and nereased tryptophan The protein con-tent of the high-lysine varieties was from 12 to 15 percent, com-pared to 8 percent in regular

A level of 15 percent portein gene has on the protein content is adequate for most young an-

Hogs cannot live on hybrid of coin was discovered only ie- imals: 12 percent suffices for mature animals

Nutritional effects of high-In 1963, Oliver E Nelson and lysine were then tested on rats In 1903, Onver 12 Present the lysine were then tested on the ligh lysine coin Edwin T Mertz, scientists at the and pigs, which gained weight Durdue (Indiana) Experiment 36 times faster than animals

lysine corn diets would improve amino acid requirements as do This fall three seed companies by funds from the U.S. Depart- sole source of protein in young hours need and during their their the sole source of protein in young hours need and during their their the sole source of protein in young hours need and during their their the sole source of protein in young hours need and during their their the sole source of protein in young hours need and during the sole source of protein children's diets high-lysine corn's lysine needs, and during 1967 tomatic washer or dryer is imvalue approached that of skim hogs and poultry consumed 60 portant to the operation of the In some recent tests, percent of soybean meal fed mılk. South American children suffer-

Yeilds of corn clossed with equal to that of hybrid corn plus outside For electrical 52fety, the opaque-2 gene averaged 15 soybean meal If high-lysine all major appliances should be percent lower than regular corn yields equal that of regular coin, grounded, either by a separate However, some of the lines did feed costs savings are projected wire or with a three prong yield the equal of their normalat 88 percent

counterparts. With proper se- No studies on high-ly-ine ef-lection, it should be possible to fects on the poultry it fustry develop high-lysine corns to have been made.

equal the highest yielding lines as hybrid corns presently grown, vertising, which is quick 'o note some changes can be counted on improvements, can be expected

ue, not justion its moisture con-lysine may well appear tent New marketing allangements will arise so the glower can benefit from the high protein content.

ing with kwashiorkor, a severe high-ly-ine coin yields are 94 competent maintenance man protein deficiency disease, ie- percent of regular hybrid corn can best handle the job 4 drycovered when high-lysine coin yields, the price of high-lysine er, gas or electric, must be conwas their only source of protein to a hog producer would be nected to exhaust ducts leading

Consumers: Some food com-If high-lysine varieties do panies are already at work on vield as high or nearly as high high protein corn products Ad-

Sale: High-lysine coin will be to make the most of lysing So, rated on its protein feeding val- hi protein corn flake- with

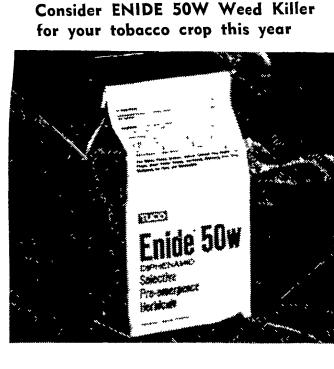
> Foreign diets. In some African and Central American countries, corn is the major food esten.

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plug and outlet.





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