



675 Central Drive Skyway Industrial Park Presque Isle Maine 04769 207-768-0781

## **Background**

CCC has been making and using TEM 16 in the potato industry since 1990. During this time, we have done more than 400 trials on potatoes in 4 countries 17 states and 4 Canadian Provinces. In this data we have determined that 80% of the times you apply TEM 16 you will receive an 11.9% increase in marketable yield.

CCC has had growers use the product in several methods. Some apply TEM 16 in furrow only, some apply it once foliar application and others use combinations of in furrow and foliar applications. ATC/CCC has not done a comparison of application methods for the past 10 years so in 2023 ATC set up an application method trial.

## **The following treatments were evaluated**

Control/ Grower Untreated

TEM 16 in furrow at 2 quarts per acre

TEM 16 foliar at 2 quarts per acre

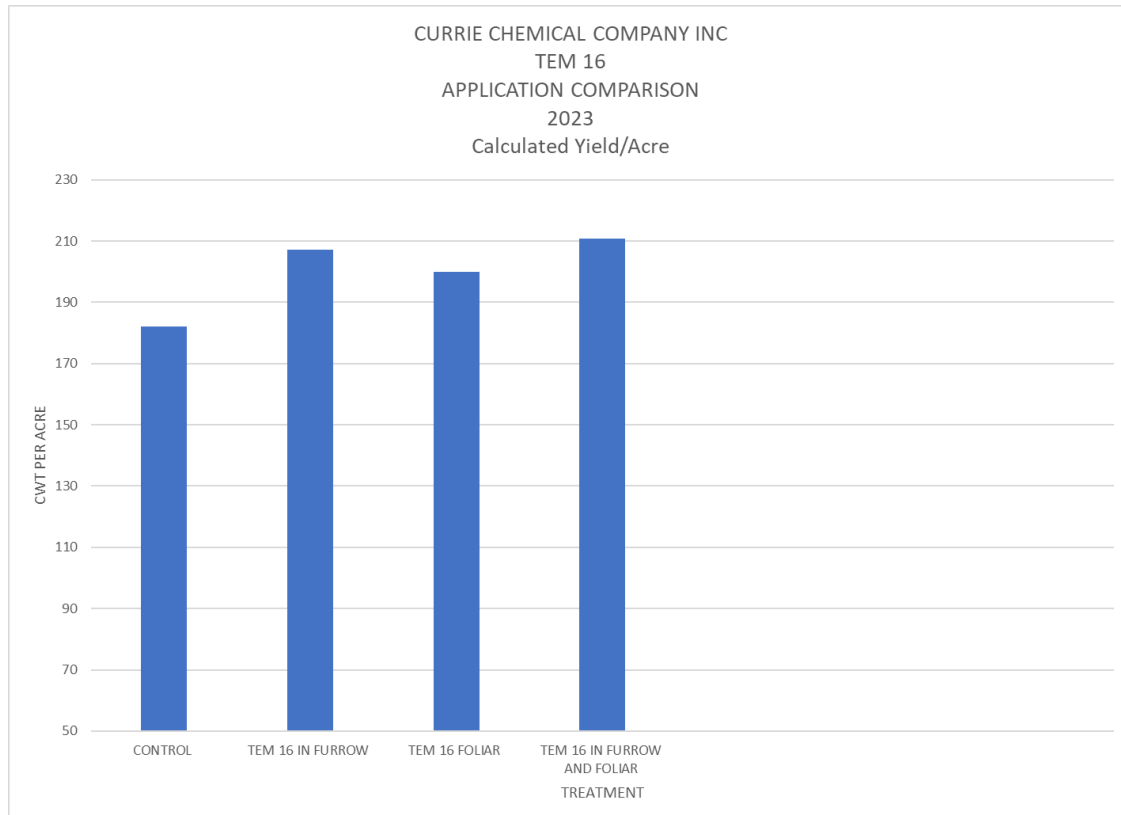
TEM 16 in furrow 2 quarts per acre / foliar 1 quart per acre



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## Results

### Calculated yield



There is the standard improvement that we have seen using TEM 16 for the past 30 years:  
Foliar application alone produces a 13.9% increase/ 25 cwt per acre  
In furrow application alone produces a 9.9% increase of 18 cwt per acre increase  
But the combination of in furrow and foliar application shows a larger increase than the foliar or in furrow application alone with an increase in yield of 15.7% and 28 cwt per acre.

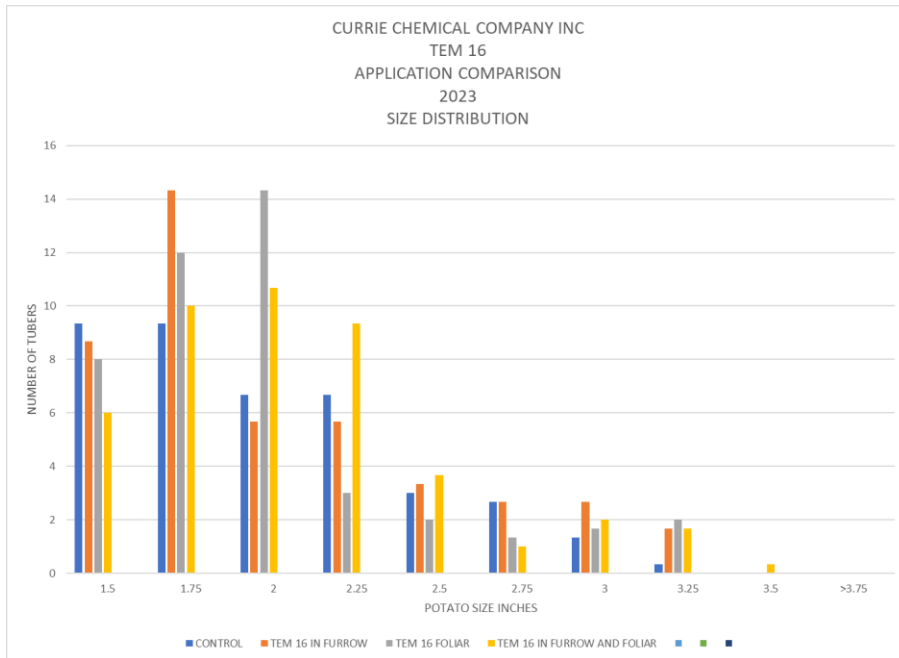
This data indicates that TEM 16 should be part of your nutrient plan and it also shows that those who are using TEM 16 in furrow alone should consider using a second smaller application at the beginning of bulking



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### Sizing Distribution Data

As can be seen from the data below TEM 16 continues to have a positive impact on size distribution with the sizing shifting to the payables portion of size distribution This occurs regardless of application method.





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As can be seen below there is a positive economic impact with the addition of TEM 16 Regardless of application method but the addition of a foliar application after in furrow application can result in a significant economic impact given the fact that the second application is a \$8 application to get a \$60 return. As we always state with trials the results may not be what is observed in the real world but even if we are half right you are making a return of \$8 for every \$1 spent.

**Economic Impact data**

