













- **Fig 13** shows the prediction of Production of Coriander for the state Bihar,district wise using Kernel Ridge
- For the WPI section ,the model predicts WPI values from June 2021 to May 2022. **Fig 9 - 12**,show the variation of predicted WPI values for the crops Black Pepper,Turmeric,Cumin and Chilly. The red constant line in the above plots indicate current prices of the specified spices.

## VI. FUTURE SCOPE:-

1. Use of Weather APIs in order to get real-time climatic data for prediction purposes.
2. Creating a system wherein the farmer can Login as well as Register and also see frequently asked questions.
3. Embedding a chatbot for farmers in multiple languages.

## VII. CONCLUSION:-

The proposed framework gives a brief idea about the spices which are most productive in a particular region based on the input parameters of the user. As the framework drills down every conceivable harvest, it helps the cultivator in the dynamic of which yield to develop at which season. Later IOT devices can also be used with this model in order to receive accurate data like soil pH levels, soil moisture, temperature and humidity. The various algorithms used give us an insight into the features which are most useful in predicting the yield. The future endeavour would be to include more attributes which would help in improving the yield results.

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