```
In [46]:
          test_dir=r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recommendation
In [47]:
          import tensorflow as tf
          from tensorflow import keras
          from tensorflow.keras.preprocessing.image import ImageDataGenerator
In [48]:
          model = tf.keras.models.load_model(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\
In [49]:
          test_datagen_1=ImageDataGenerator(rescale=1)
          test_generator_1=test_datagen_1.flow_from_directory(
              test_dir,
              target_size=(128,128),
              batch_size=20,
              class_mode='categorical'
          )
         Found 1686 images belonging to 6 classes.
In [50]:
          import numpy as np
          from tensorflow.keras.models import load_model
          from tensorflow.keras.preprocessing import image
In [51]:
          img=image.load_img(r"C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Reco
In [52]:
          img
Out[52]:
In [55]:
          img=image.load_img(r"C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Reco
          x=image.img_to_array(img)
          x=np.expand_dims(x,axis=0)
          y=np.argmax(model.predict(x),axis=1)
          index=['Apple__Black_rot', 'Apple__healthy', 'Corn_(maize)__healthy', 'Corn_(maize)_
          index[y[0]]
         1/1 [======== ] - 0s 57ms/step
Out[55]: 'Corn_(maize)___Northern_Leaf_Blight'
```

To FECT.

III [30].	<pre>model.evaluate(test_generator_1,steps=50)</pre>
	50/50 [====================================
Out[56]:	[1036.1376953125, 0.621999979019165]
In []:	
In []:	
In []:	