```
In [1]:
         test_dir=r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recommendation_ S
In [2]:
         import tensorflow as tf
         from tensorflow import keras
         from tensorflow.keras.preprocessing.image import ImageDataGenerator
In [3]:
         model = tf.keras.models.load_model(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fer
In [4]:
         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 3416 images belonging to 9 classes.
In [5]:
         import numpy as np
         from tensorflow.keras.models import load_model
         from tensorflow.keras.preprocessing import image
In [6]:
         img=image.load_img(r"C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recomme
In [7]:
         img
Out[7]:
In [8]:
         img=image.load_img(r"C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recomme
         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]]
        Out[8]: 'Peach__healthy'
```

III [9].	<pre>model.evaluate(test_generator_1,steps=50)</pre>
	50/50 [====================================
Out[9]:	[2.103949785232544, 0.1889999955892563]
ouc[9].	[2.105545705252544, 0.1005555555052505]
In []:	
TII [].	