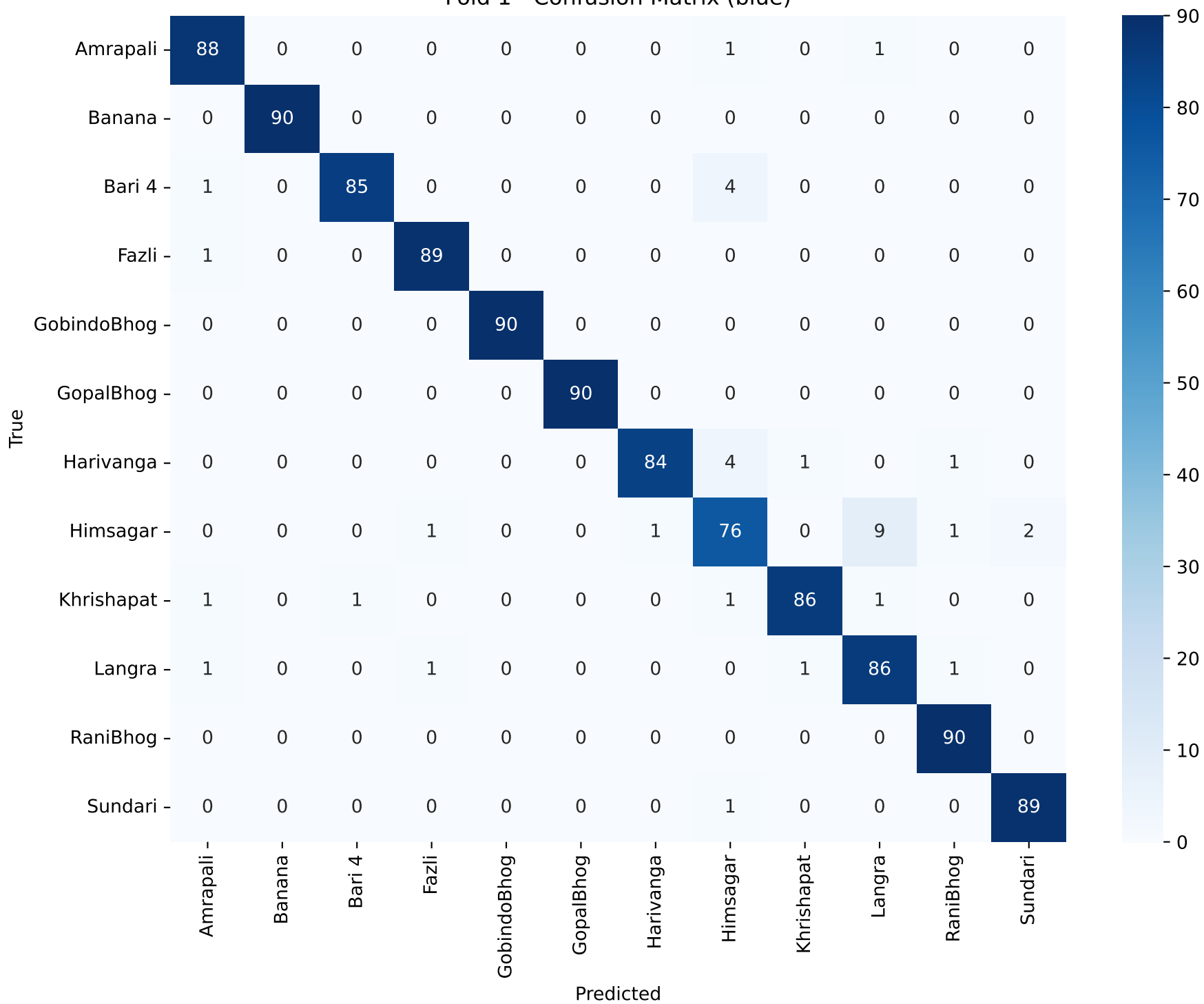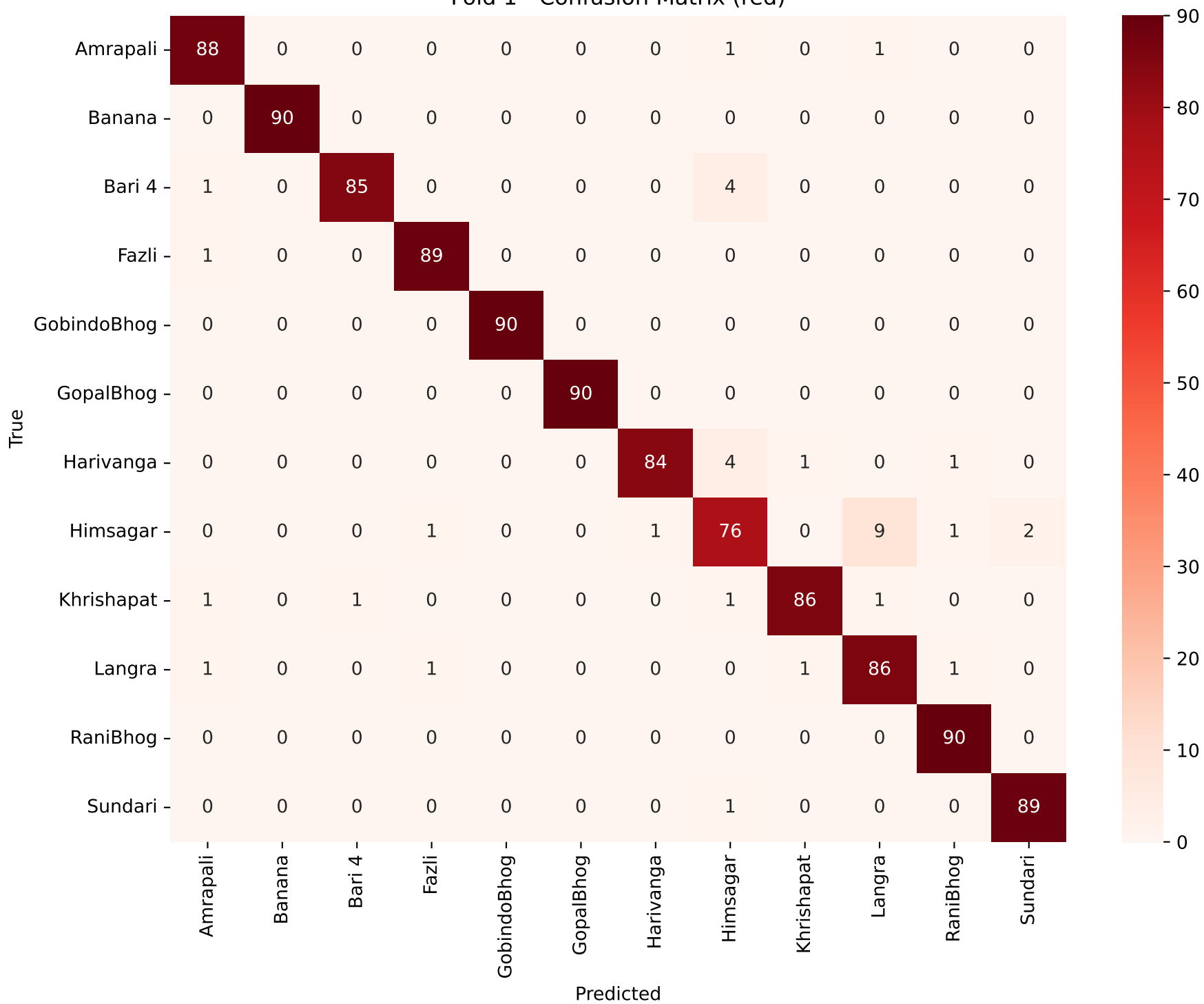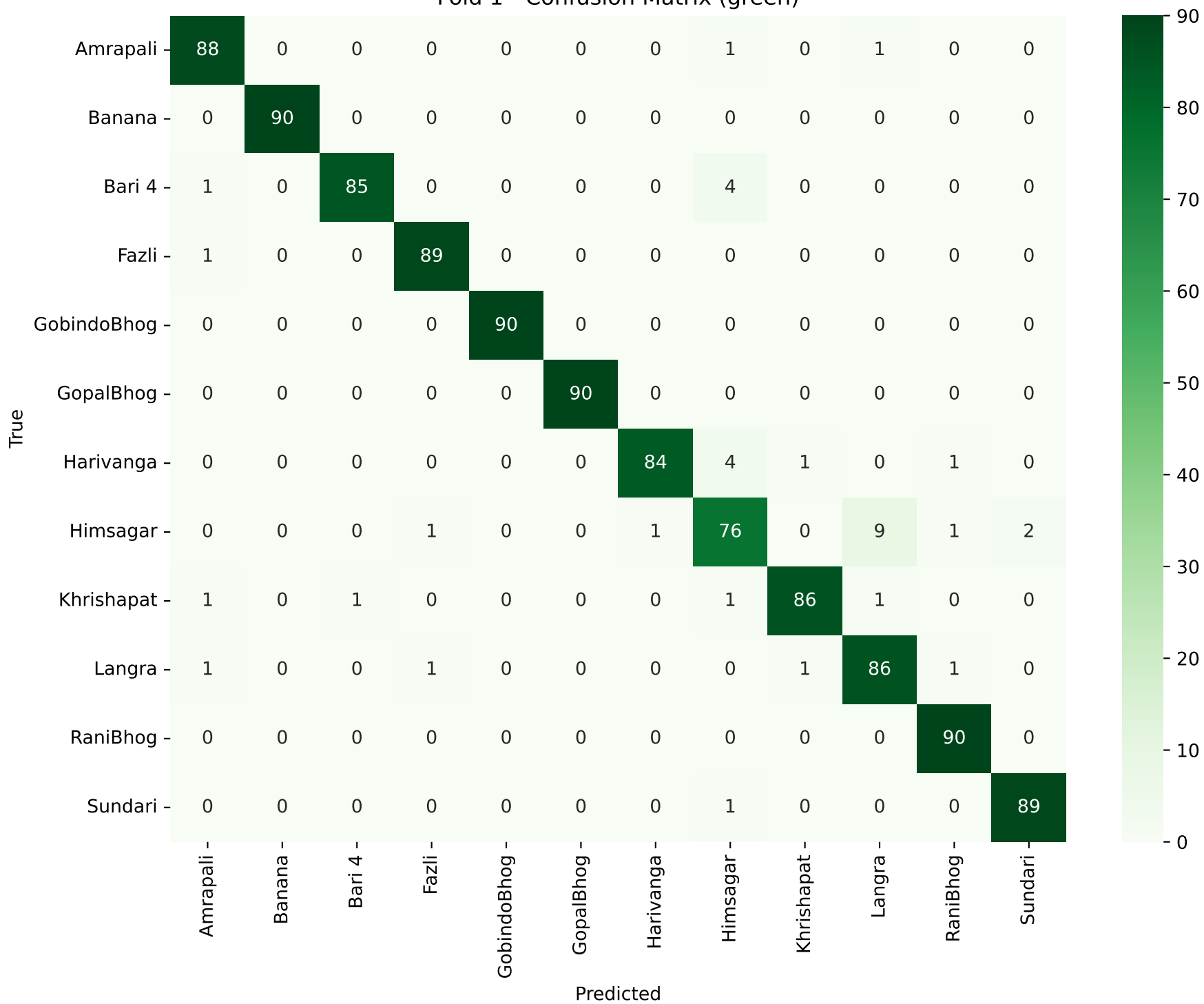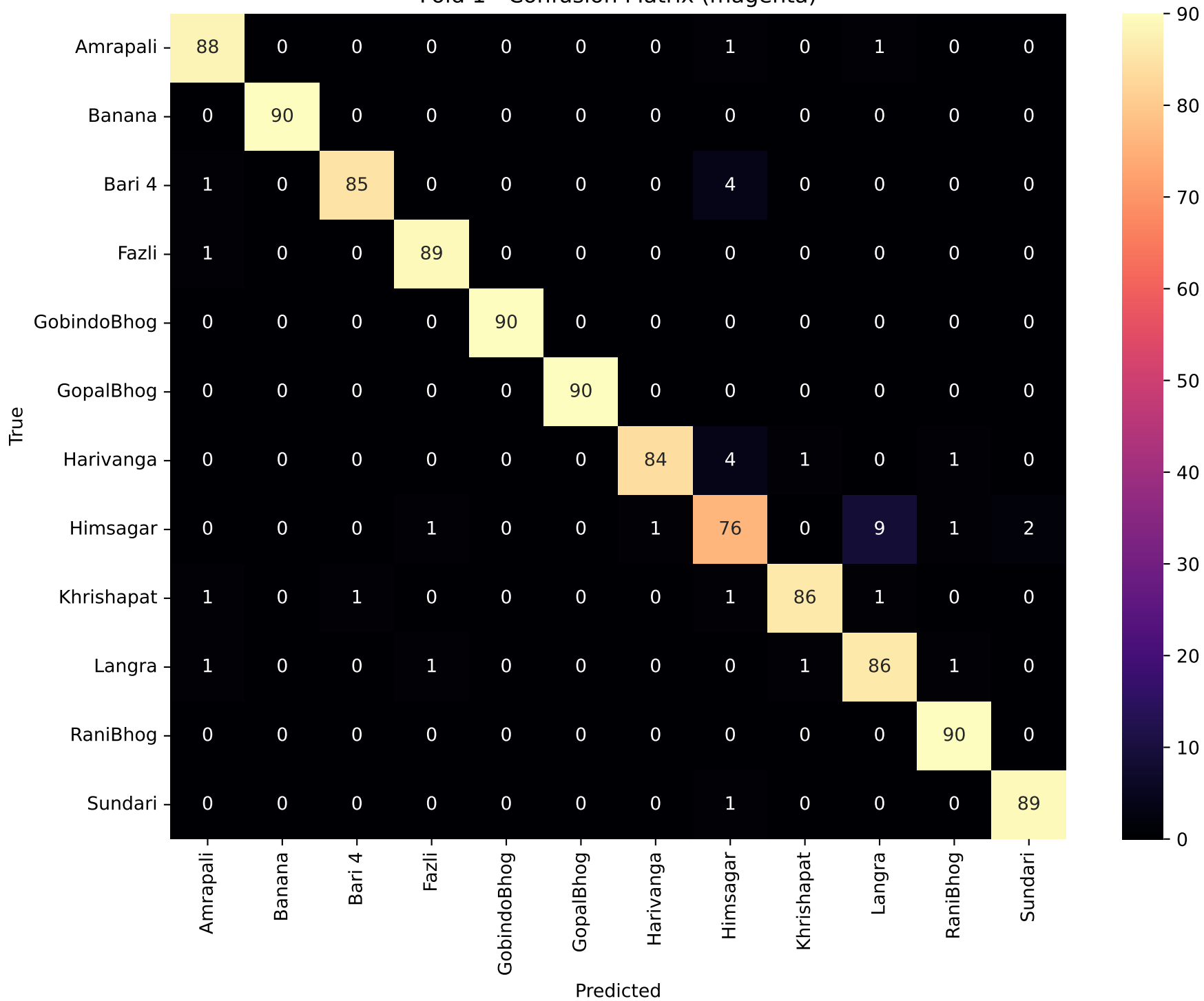Fold 1 - Confusion Matrix (blue)
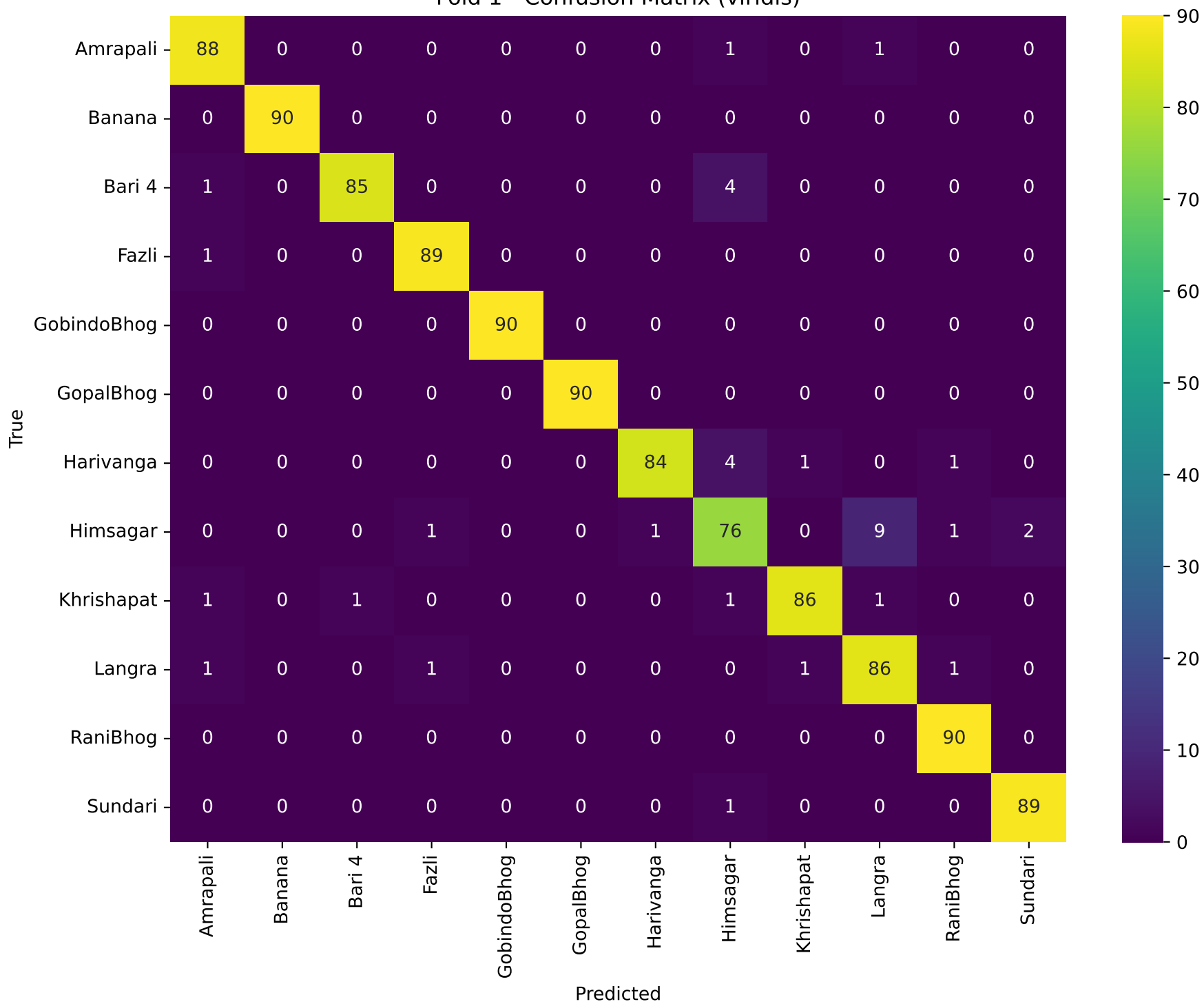
Fold 1 - Confusion Matrix (red)
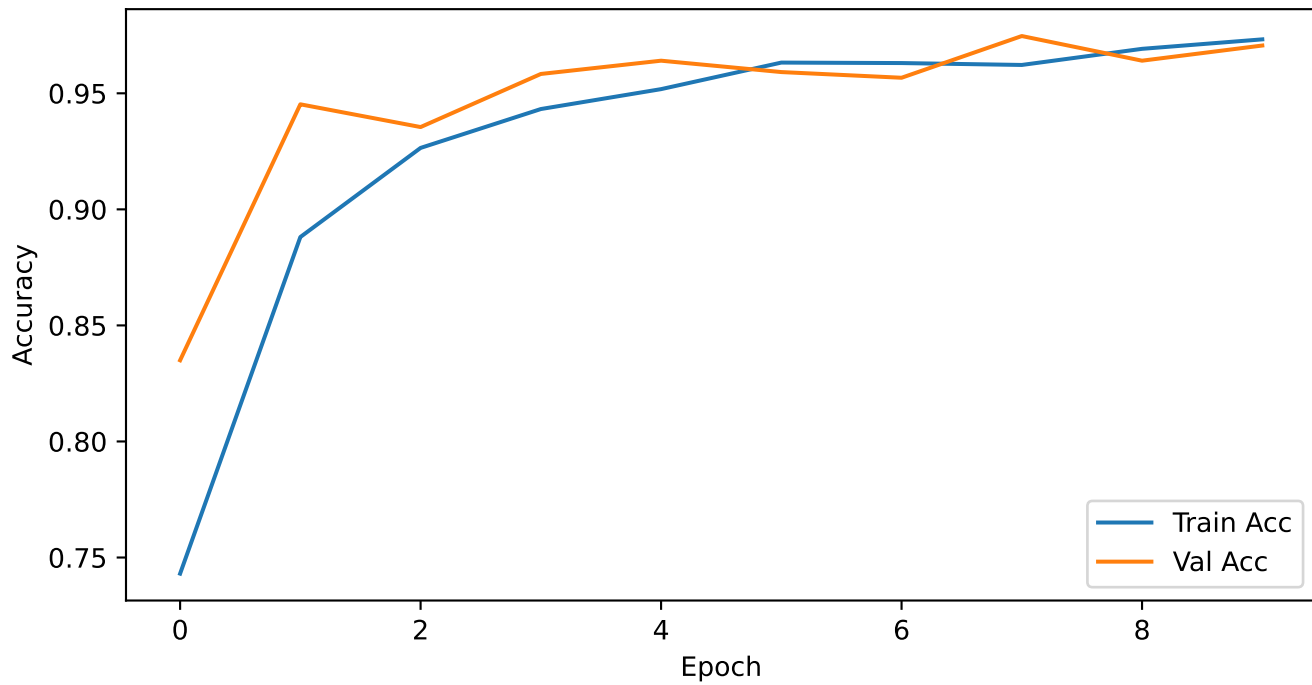
Fold 1 - Confusion Matrix (green)

Fold 1 - Confusion Matrix (magenta)
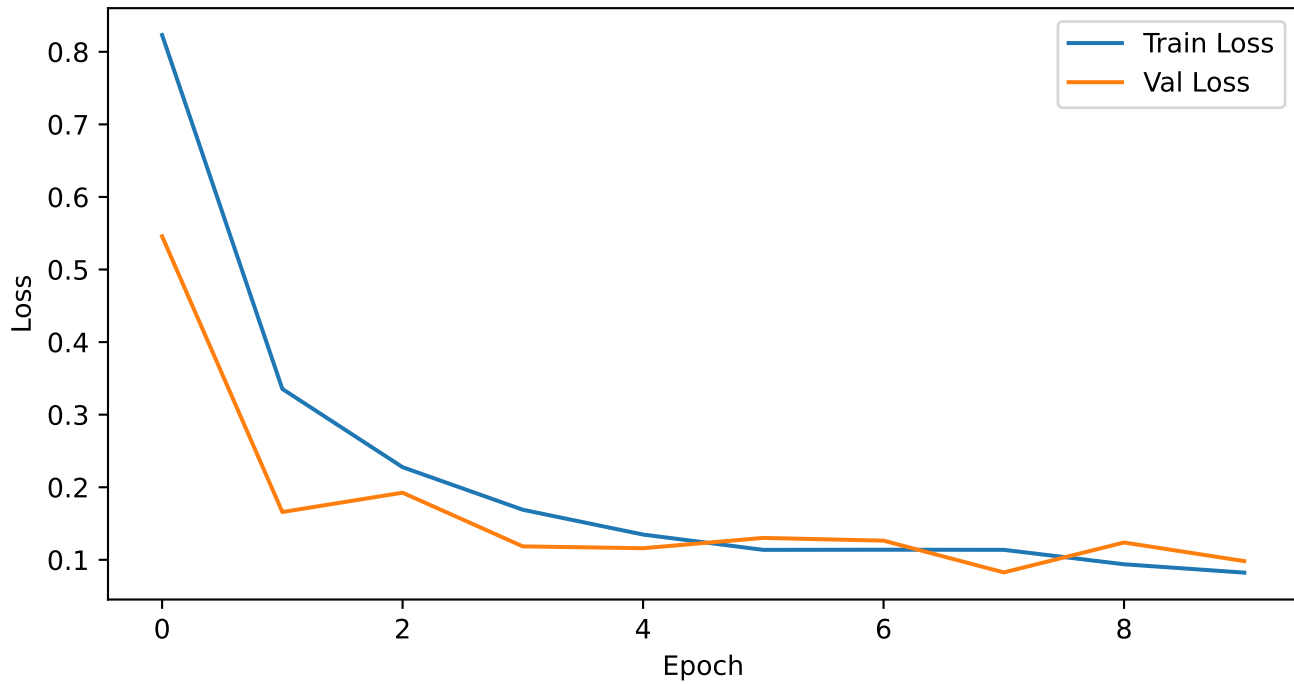
Fold 1 - Confusion Matrix (viridis)

Fold 1 Accuracy

Fold 1 Loss

```
Classification Report - Fold 1
Generated: 2025-10-02 10:33:01

              precision    recall  f1-score   support

    Amrapali     0.9565    0.9778    0.9670        90
      Banana     1.0000    1.0000    1.0000        90
      Bari 4     0.9884    0.9444    0.9659        90
       Fazli     0.9780    0.9889    0.9834        90
 GobindoBhog     1.0000    1.0000    1.0000        90
   GopalBhog     1.0000    1.0000    1.0000        90
   Harivanga     0.9882    0.9333    0.9600        90
    Himsagar     0.8736    0.8444    0.8588        90
  Khrishapat     0.9773    0.9556    0.9663        90
      Langra     0.8866    0.9556    0.9198        90
    RaniBhog     0.9677    1.0000    0.9836        90
     Sundari     0.9780    0.9889    0.9834        90

    accuracy                         0.9657      1080
   macro avg     0.9662    0.9657    0.9657      1080
weighted avg     0.9662    0.9657    0.9657      1080
```
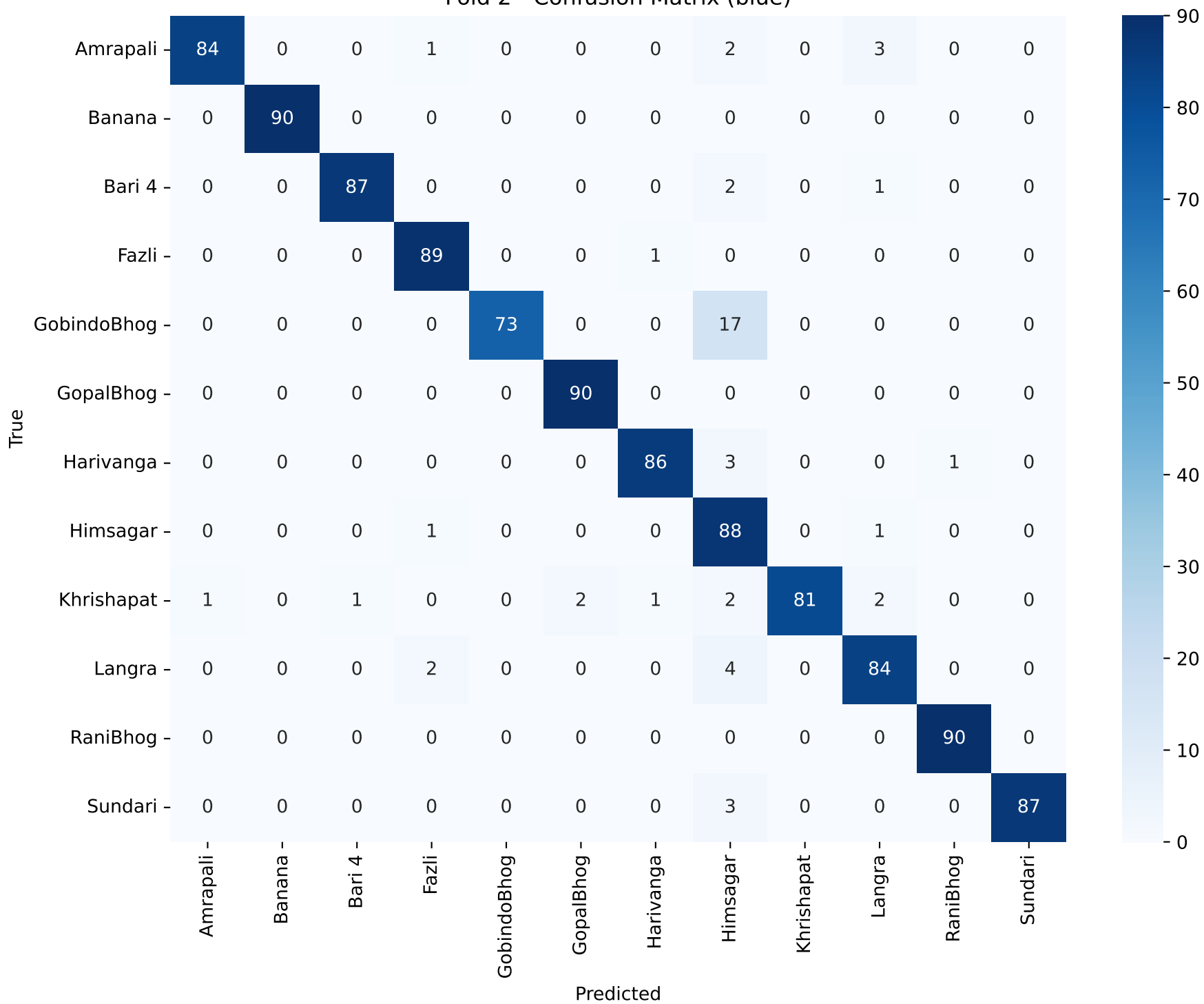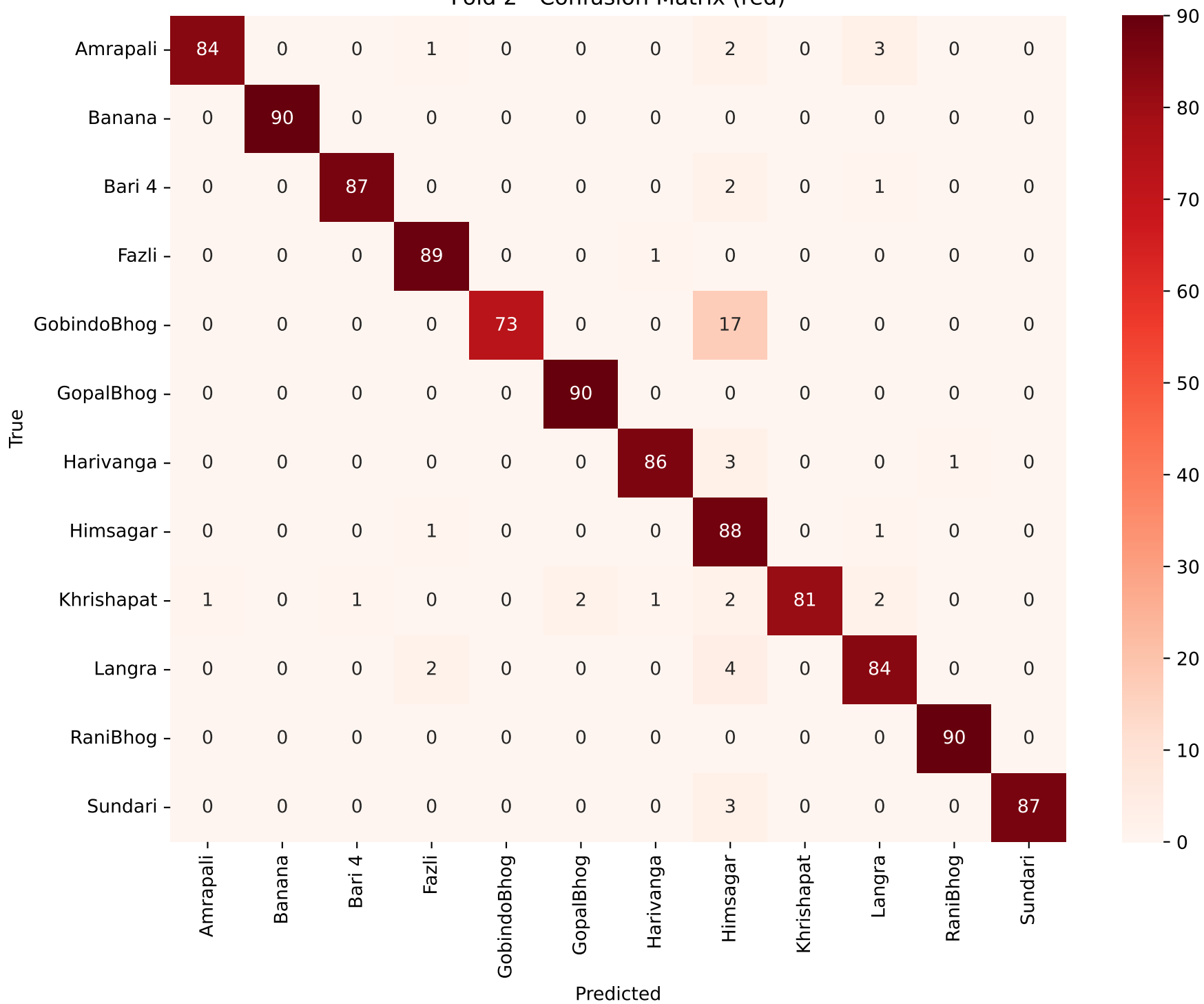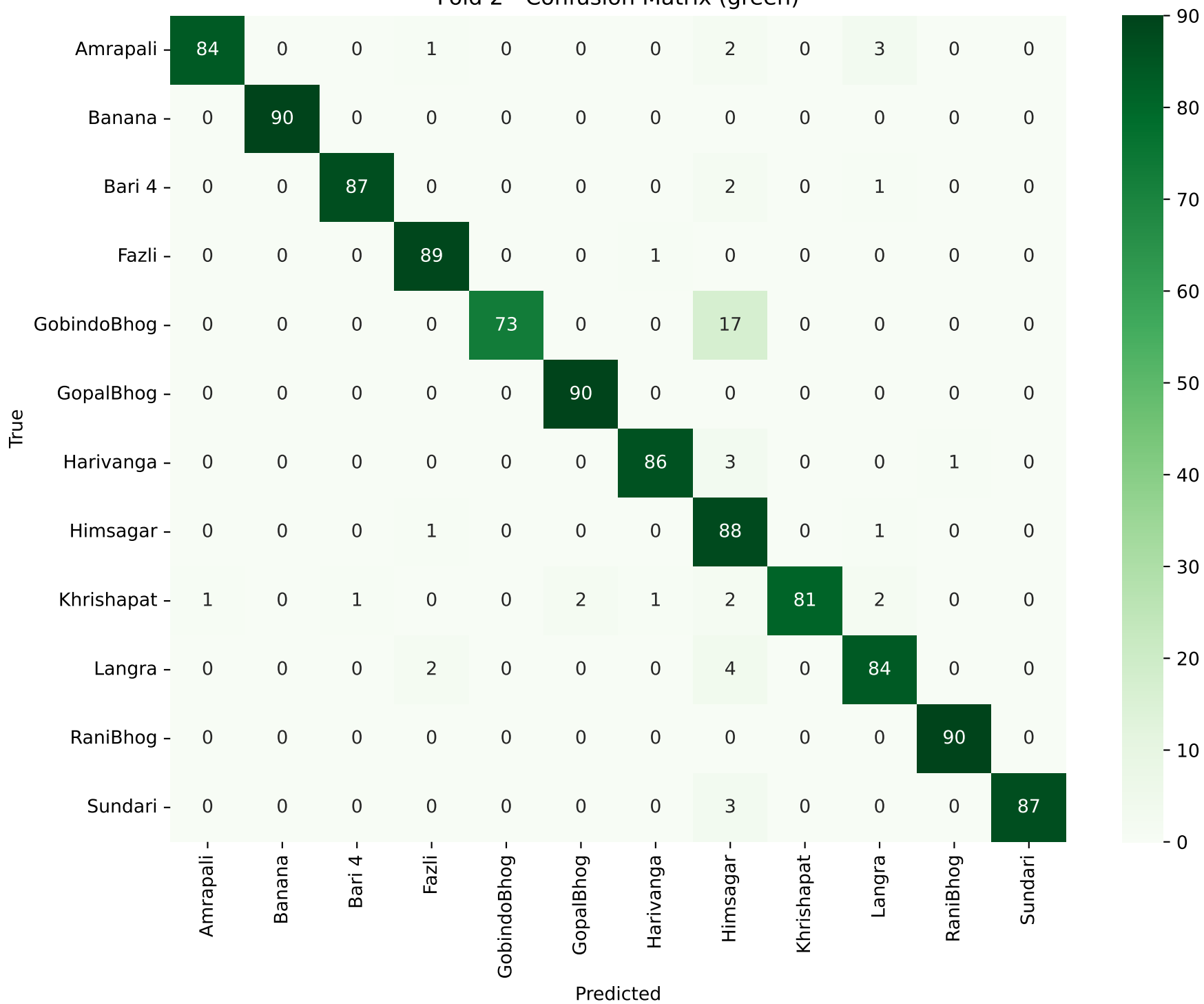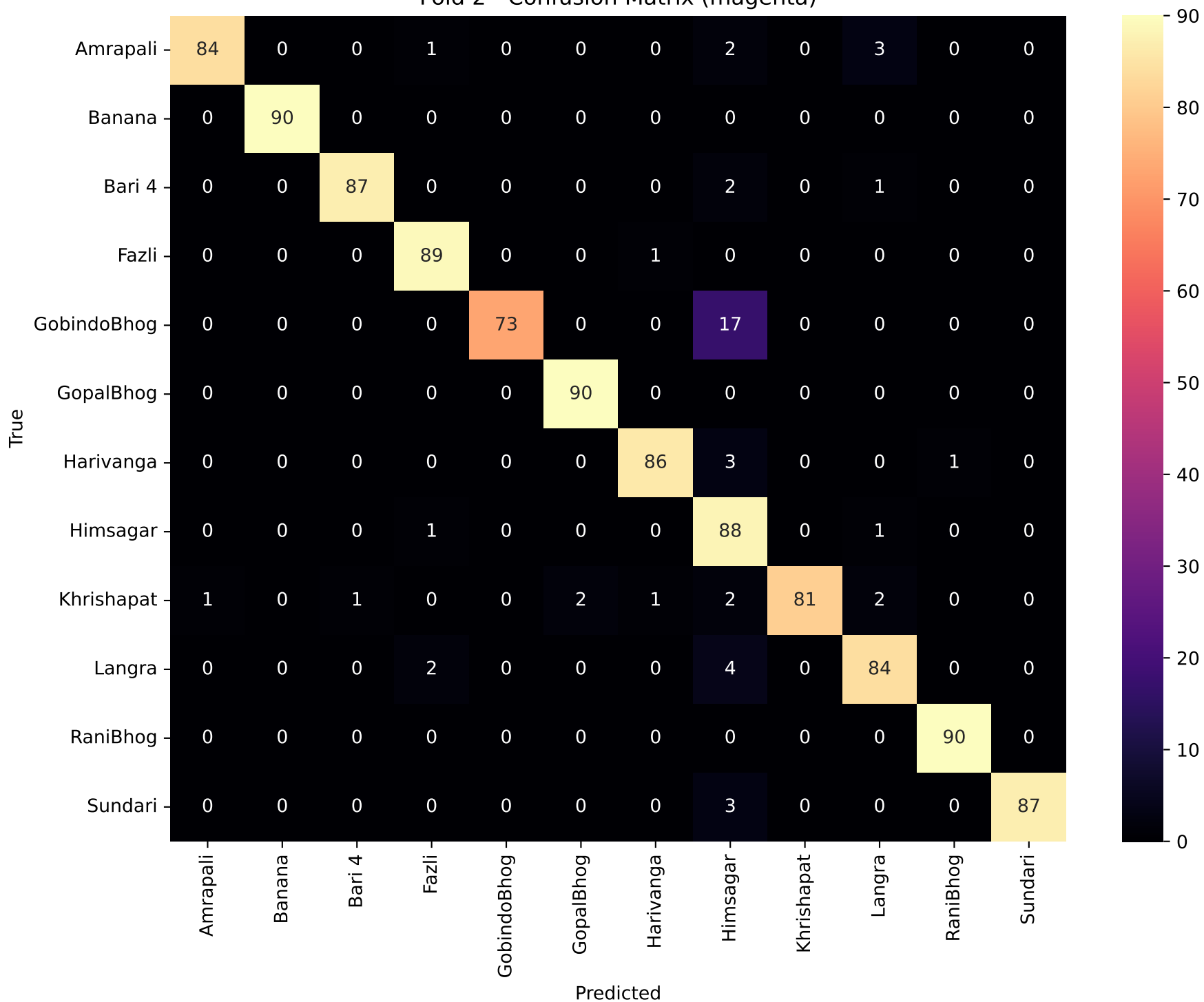
Fold 2 - Confusion Matrix (blue)
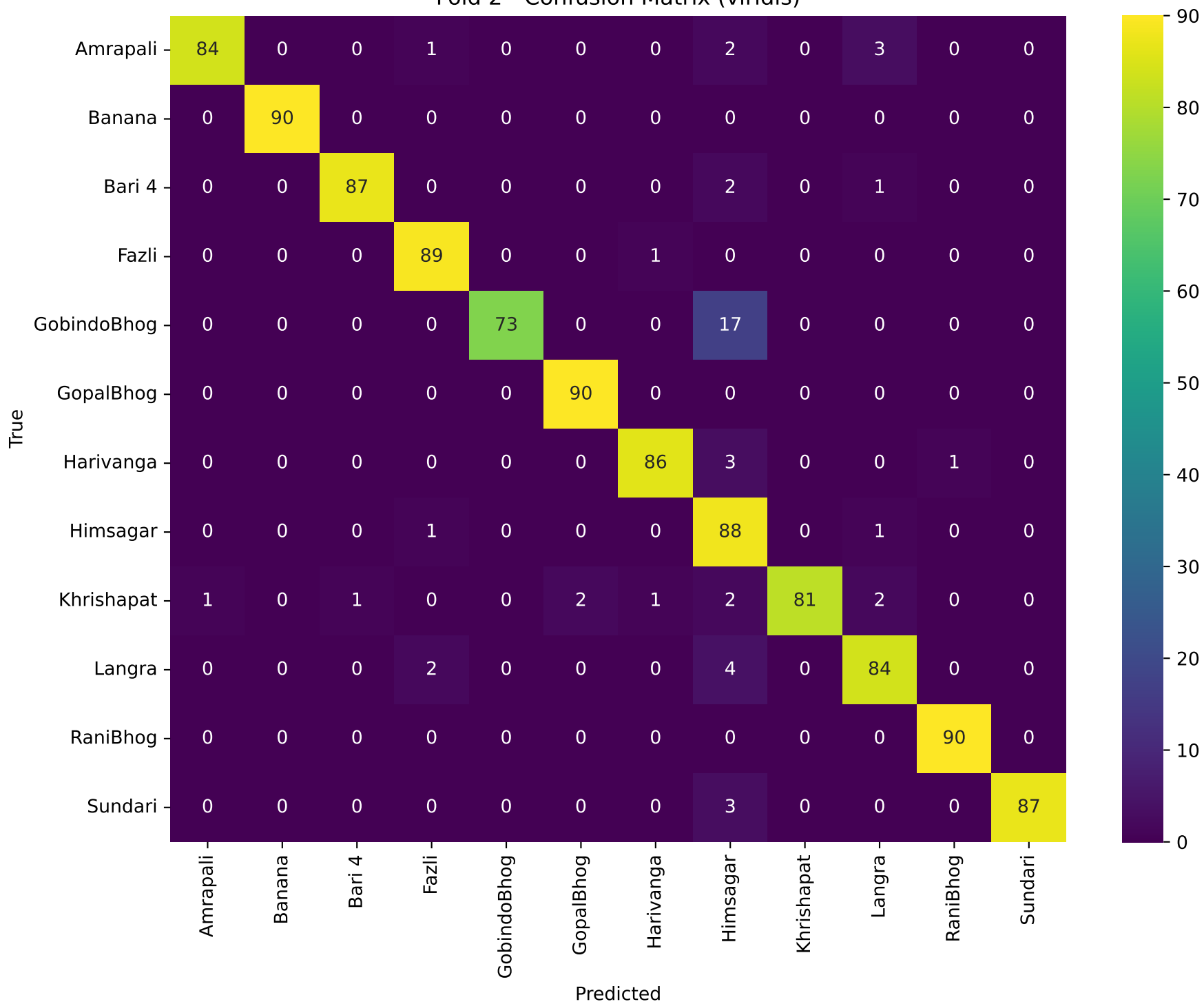
Fold 2 - Confusion Matrix (red)

Fold 2 - Confusion Matrix (green)

Fold 2 - Confusion Matrix (magenta)

Fold 2 - Confusion Matrix (viridis)

Fold 2 Accuracy

Fold 2 Loss

```
Classification Report - Fold 2
Generated: 2025-10-02 11:30:13

               precision    recall  f1-score   support

    Amrapali      0.9882    0.9333    0.9600        90
      Banana      1.0000    1.0000    1.0000        90
      Bari 4      0.9886    0.9667    0.9775        90
       Fazli      0.9570    0.9889    0.9727        90
 GobindoBhog      1.0000    0.8111    0.8957        90
   GopalBhog      0.9783    1.0000    0.9890        90
   Harivanga      0.9773    0.9556    0.9663        90
    Himsagar      0.7273    0.9778    0.8341        90
  Khrishapat      1.0000    0.9000    0.9474        90
      Langra      0.9231    0.9333    0.9282        90
    RaniBhog      0.9890    1.0000    0.9945        90
     Sundari      1.0000    0.9667    0.9831        90

    accuracy                          0.9528      1080
   macro avg      0.9607    0.9528    0.9540      1080
weighted avg      0.9607    0.9528    0.9540      1080
```

Fold 3 - Confusion Matrix (blue)

Fold 3 - Confusion Matrix (red)
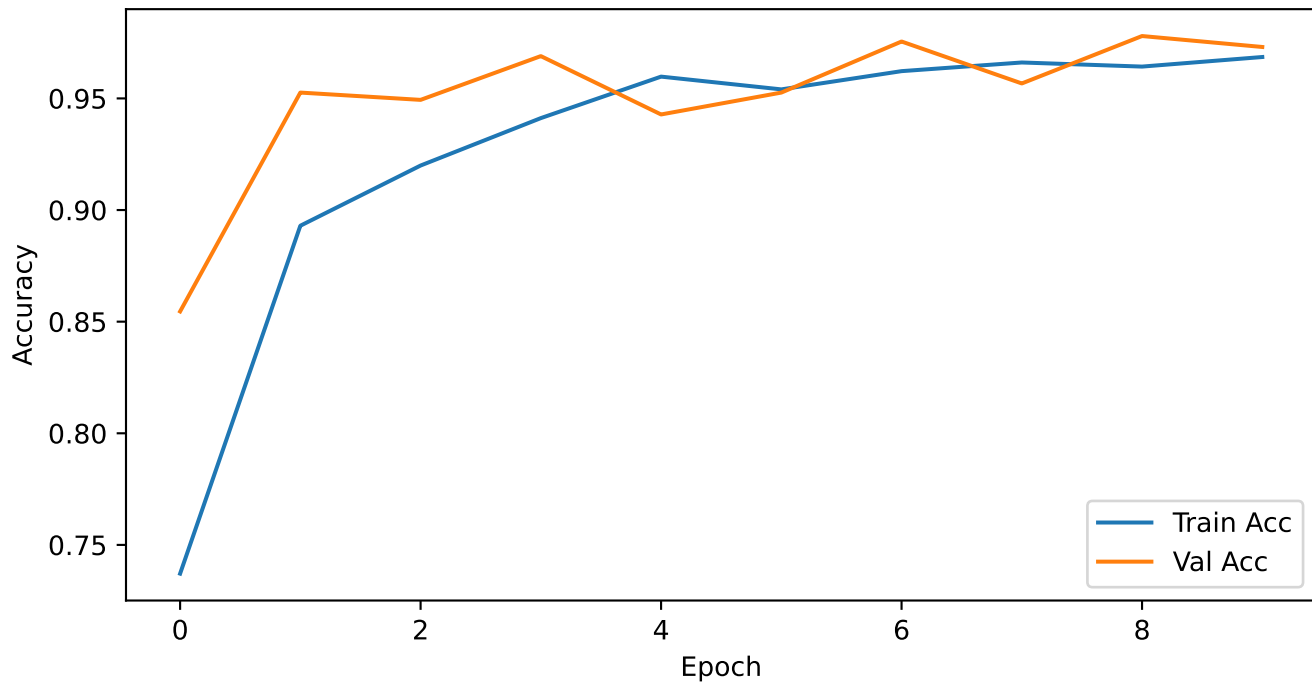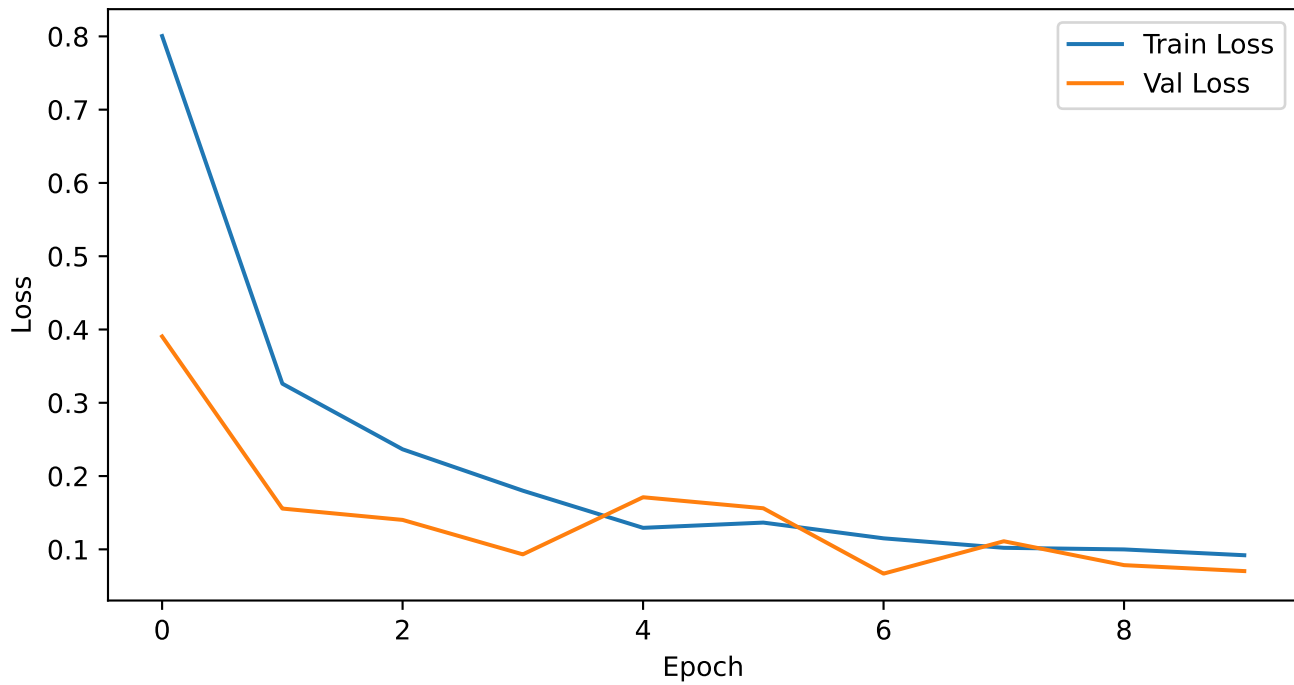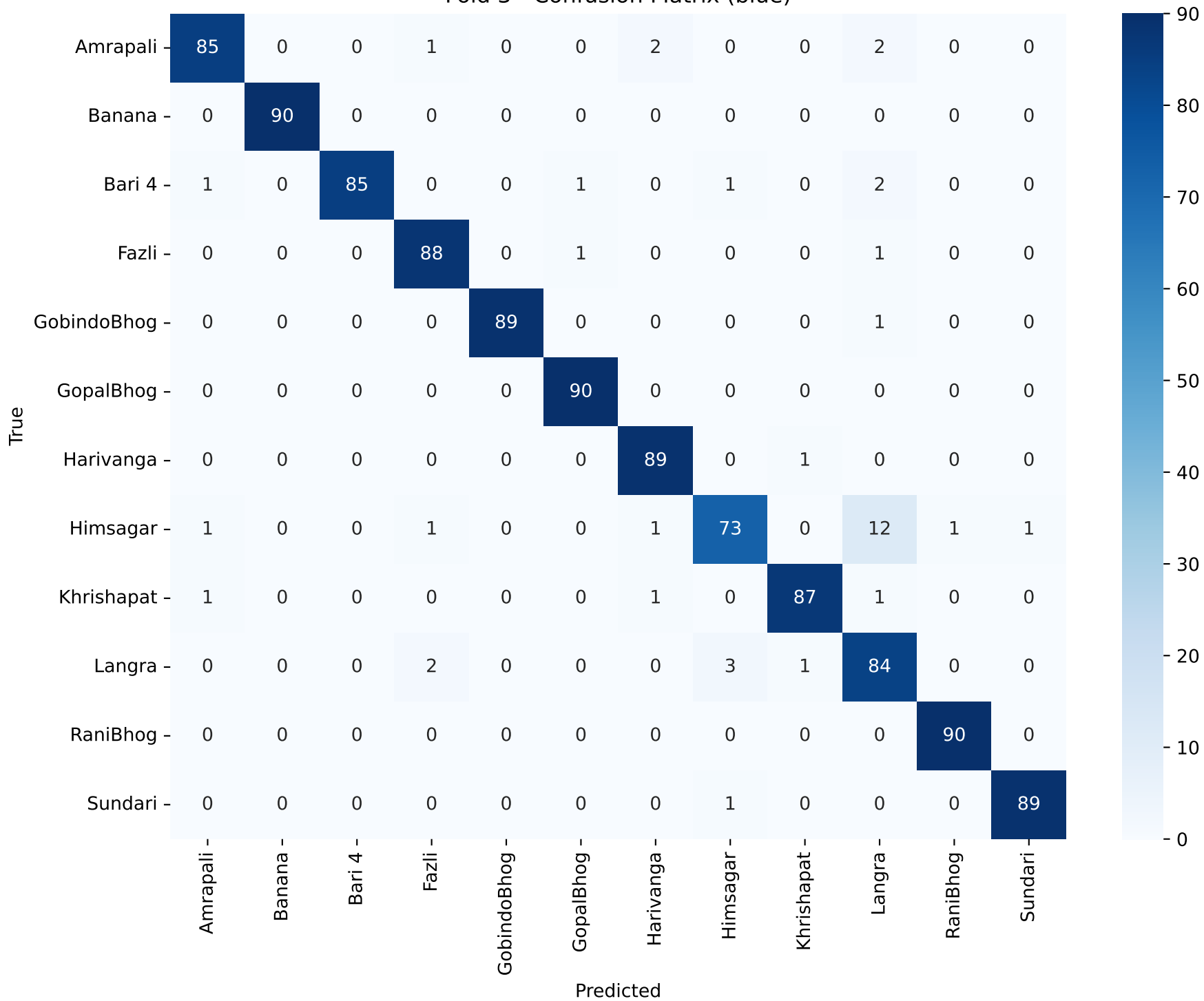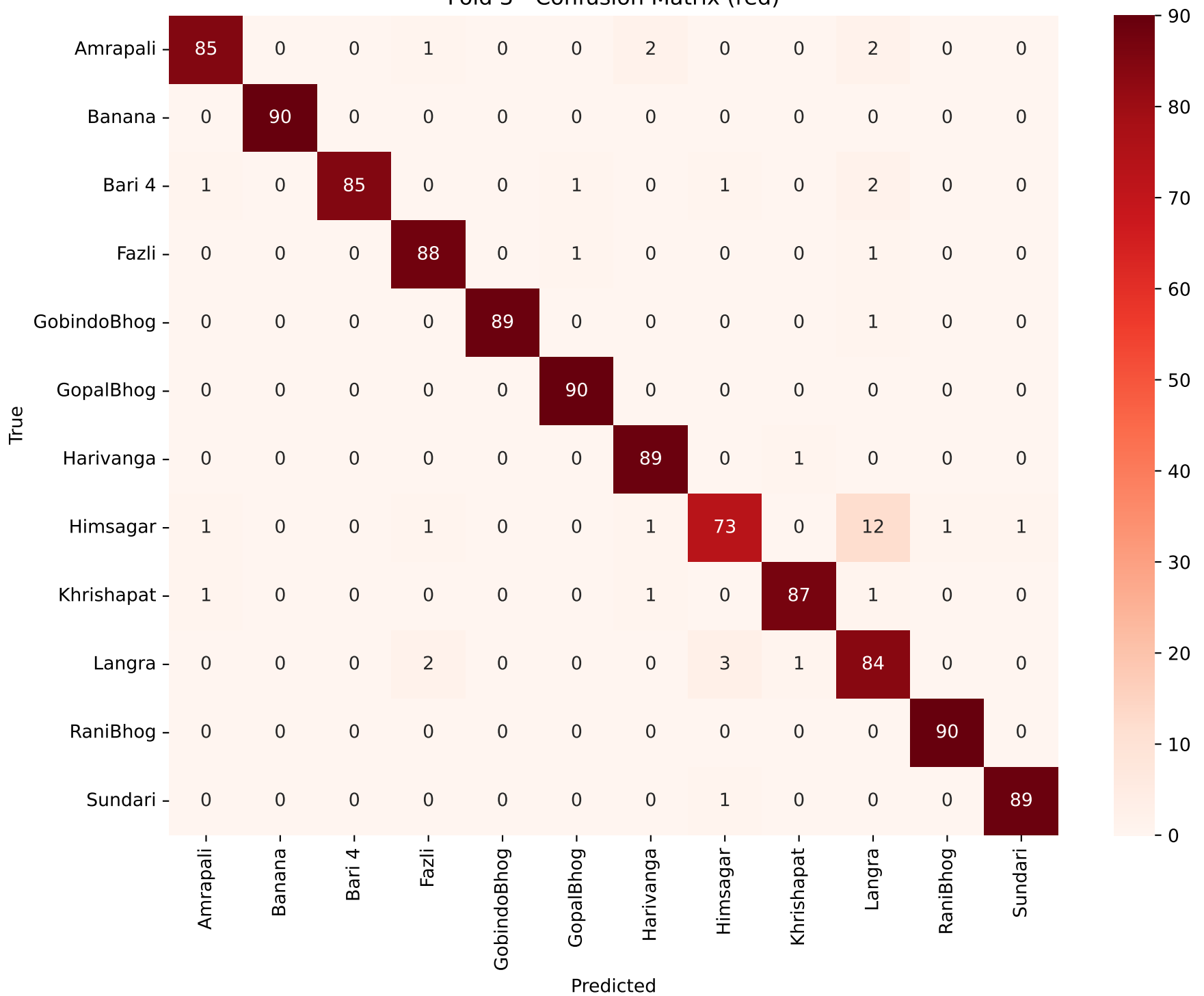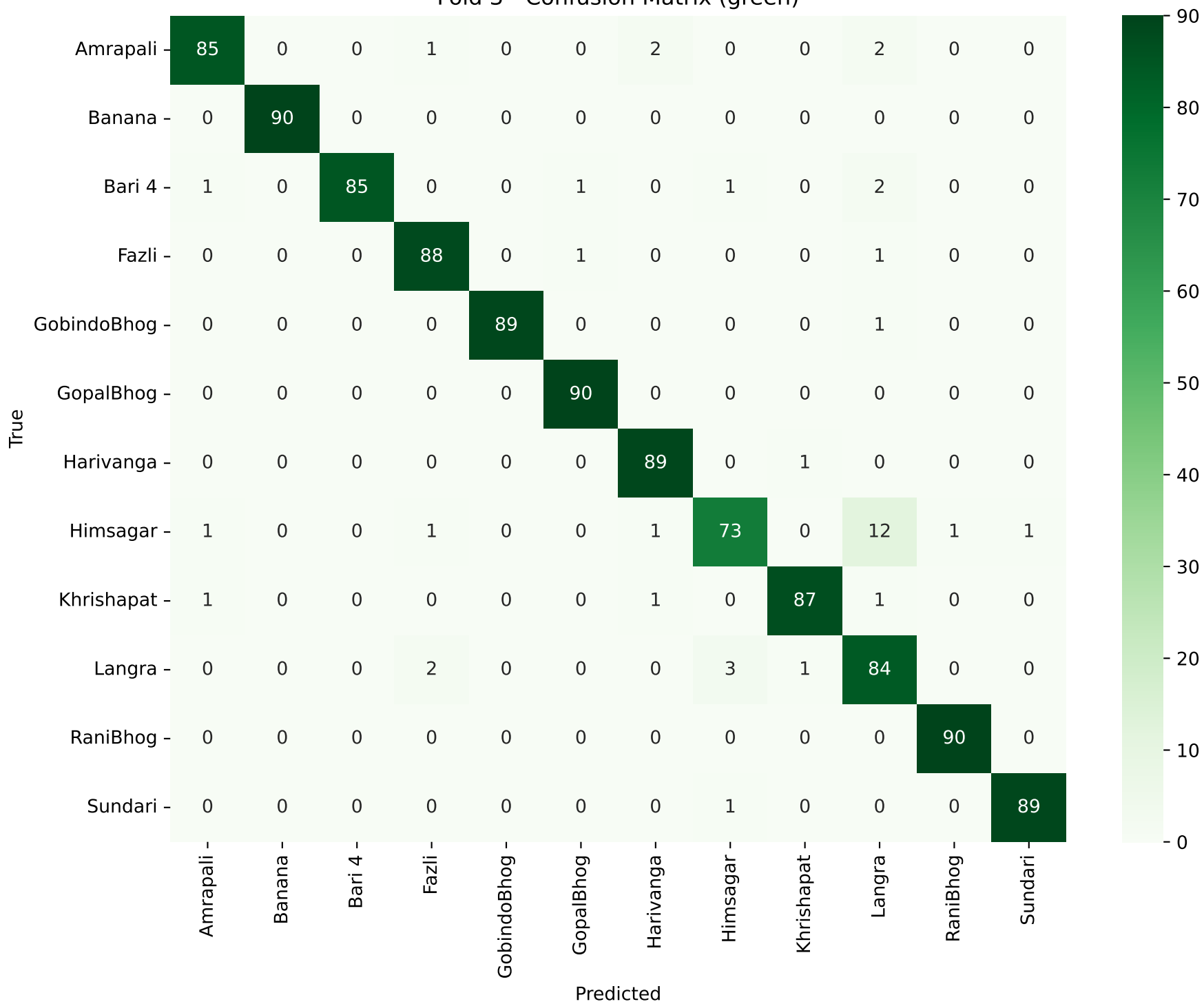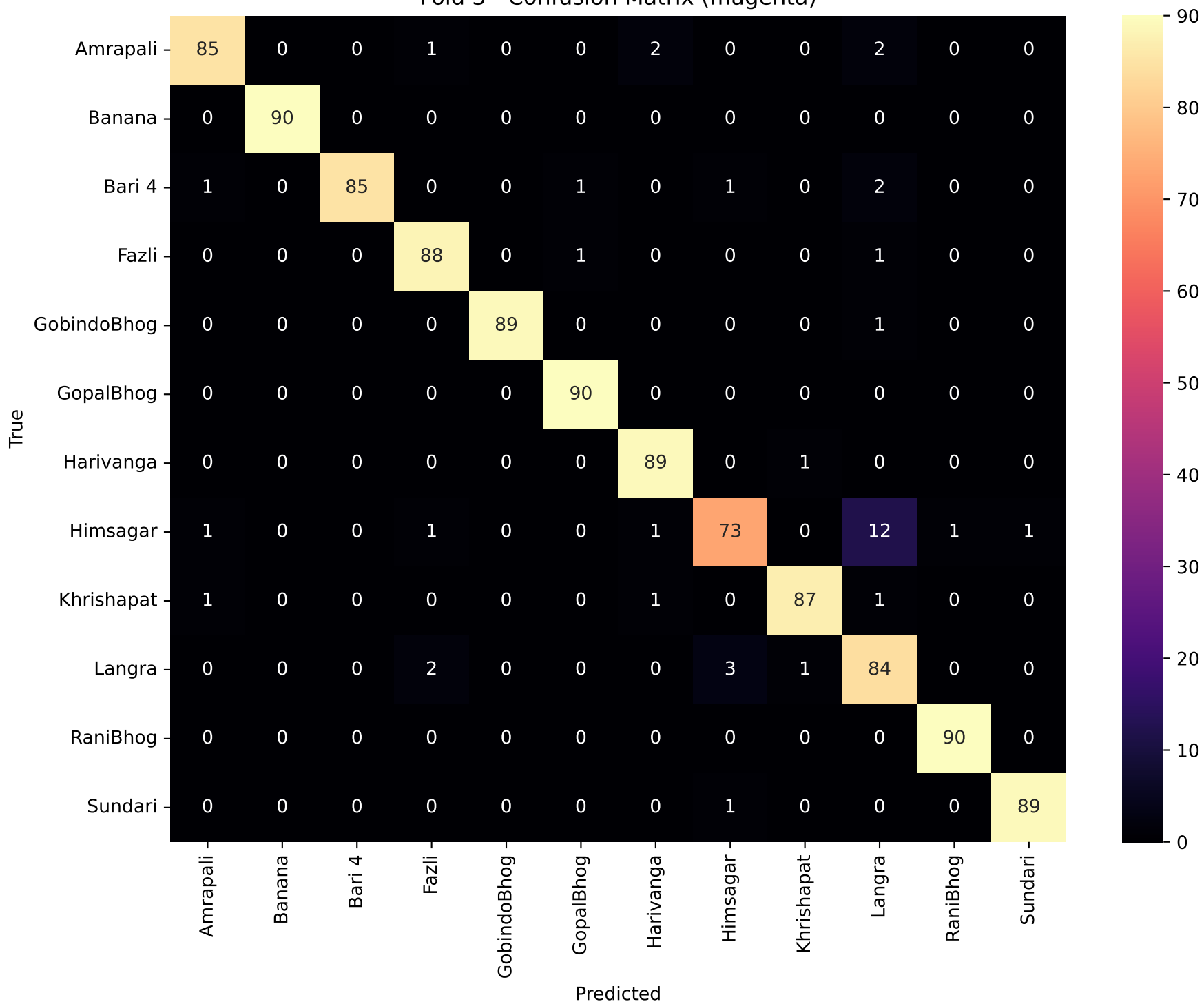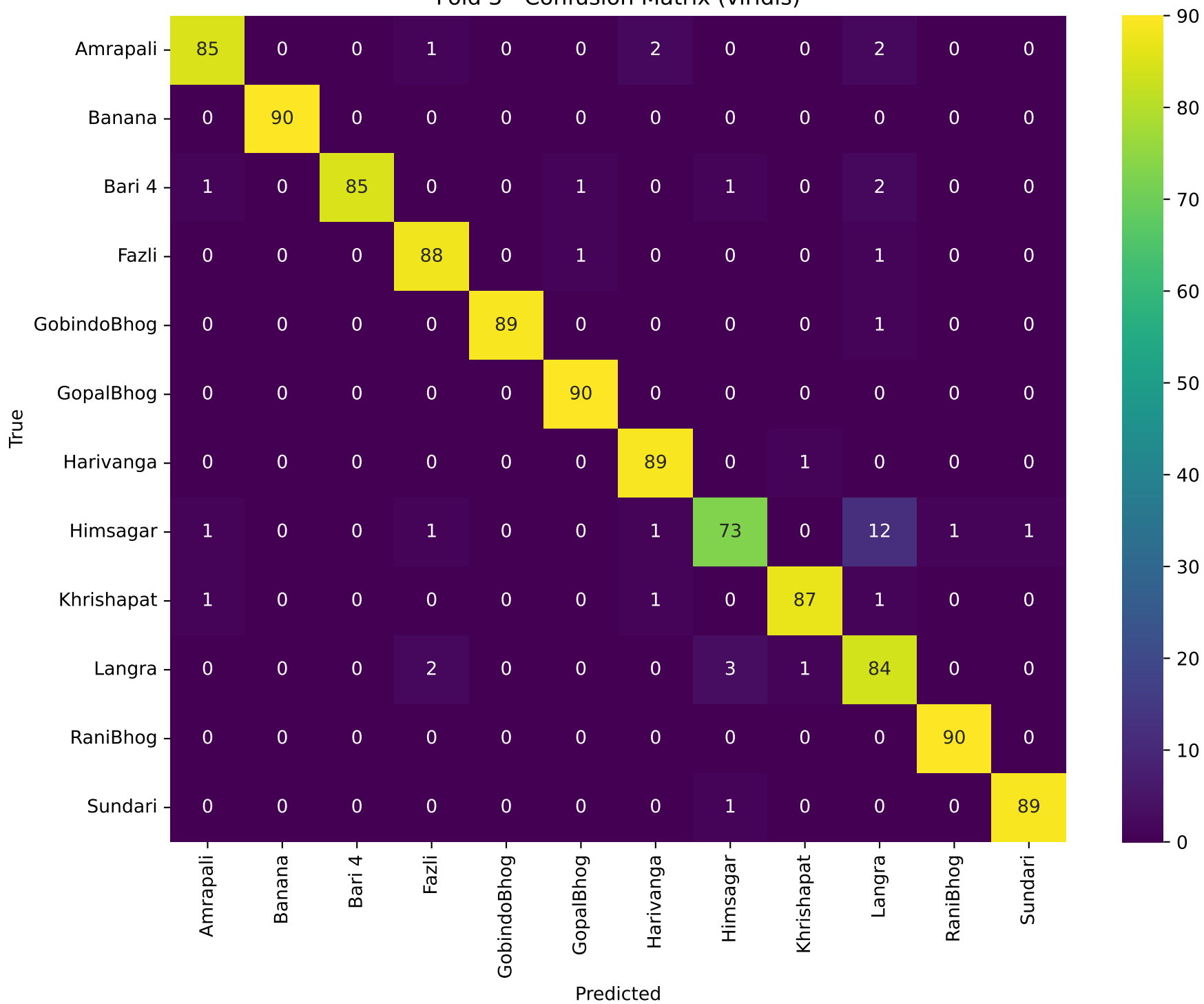
Fold 3 - Confusion Matrix (green)

Fold 3 - Confusion Matrix (magenta)

Fold 3 - Confusion Matrix (viridis)

Fold 3 Accuracy

Fold 3 Loss

```
Classification Report - Fold 3
Generated: 2025-10-02 12:29:34

              precision    recall  f1-score   support

    Amrapali     0.9659    0.9444    0.9551        90
      Banana     1.0000    1.0000    1.0000        90
      Bari 4     1.0000    0.9444    0.9714        90
       Fazli     0.9565    0.9778    0.9670        90
 GobindoBhog     1.0000    0.9889    0.9944        90
   GopalBhog     0.9783    1.0000    0.9890        90
   Harivanga     0.9570    0.9889    0.9727        90
    Himsagar     0.9359    0.8111    0.8690        90
  Khrishapat     0.9775    0.9667    0.9721        90
      Langra     0.8155    0.9333    0.8705        90
    RaniBhog     0.9890    1.0000    0.9945        90
     Sundari     0.9889    0.9889    0.9889        90

    accuracy                         0.9620      1080
   macro avg     0.9637    0.9620    0.9620      1080
weighted avg     0.9637    0.9620    0.9620      1080
```

Fold 4 - Confusion Matrix (blue)

Fold 4 - Confusion Matrix (red)

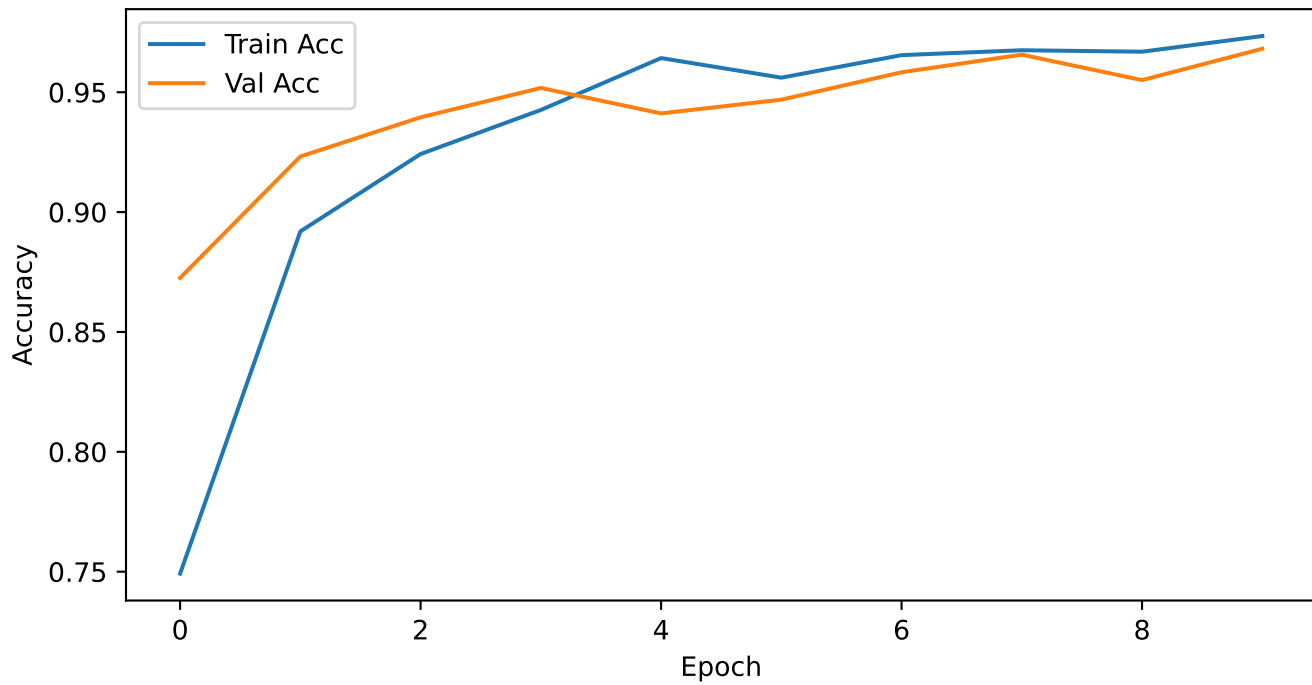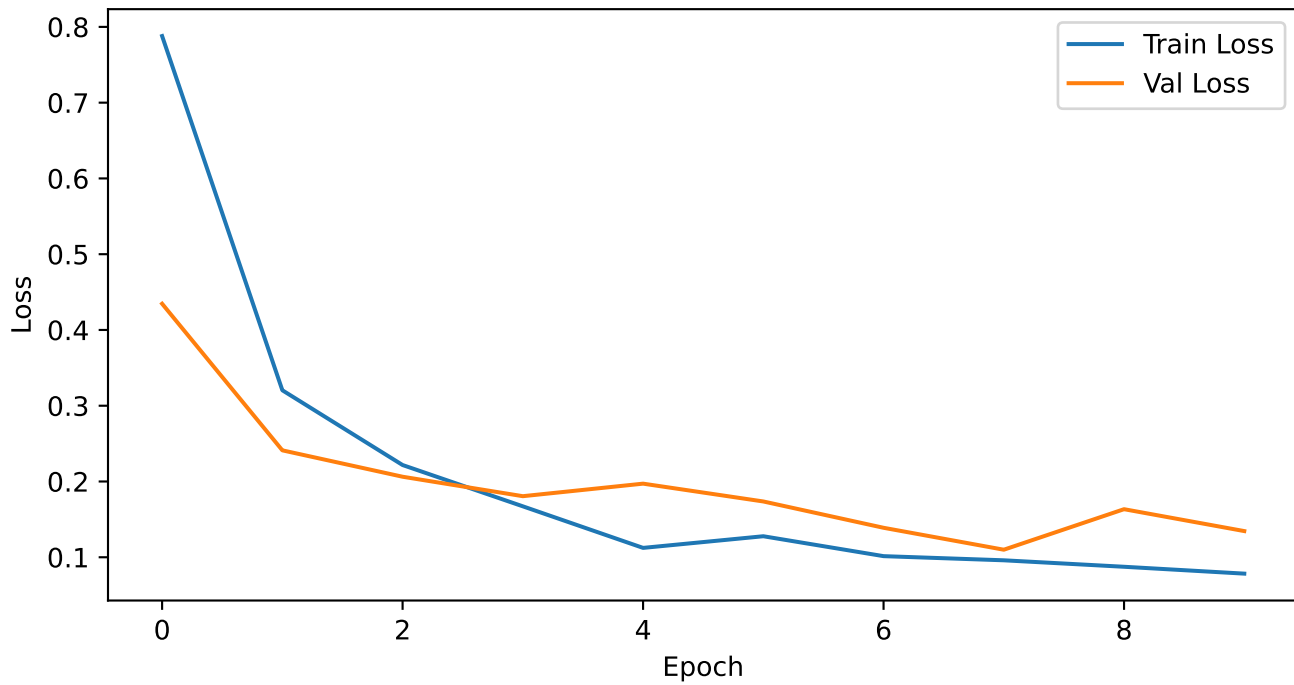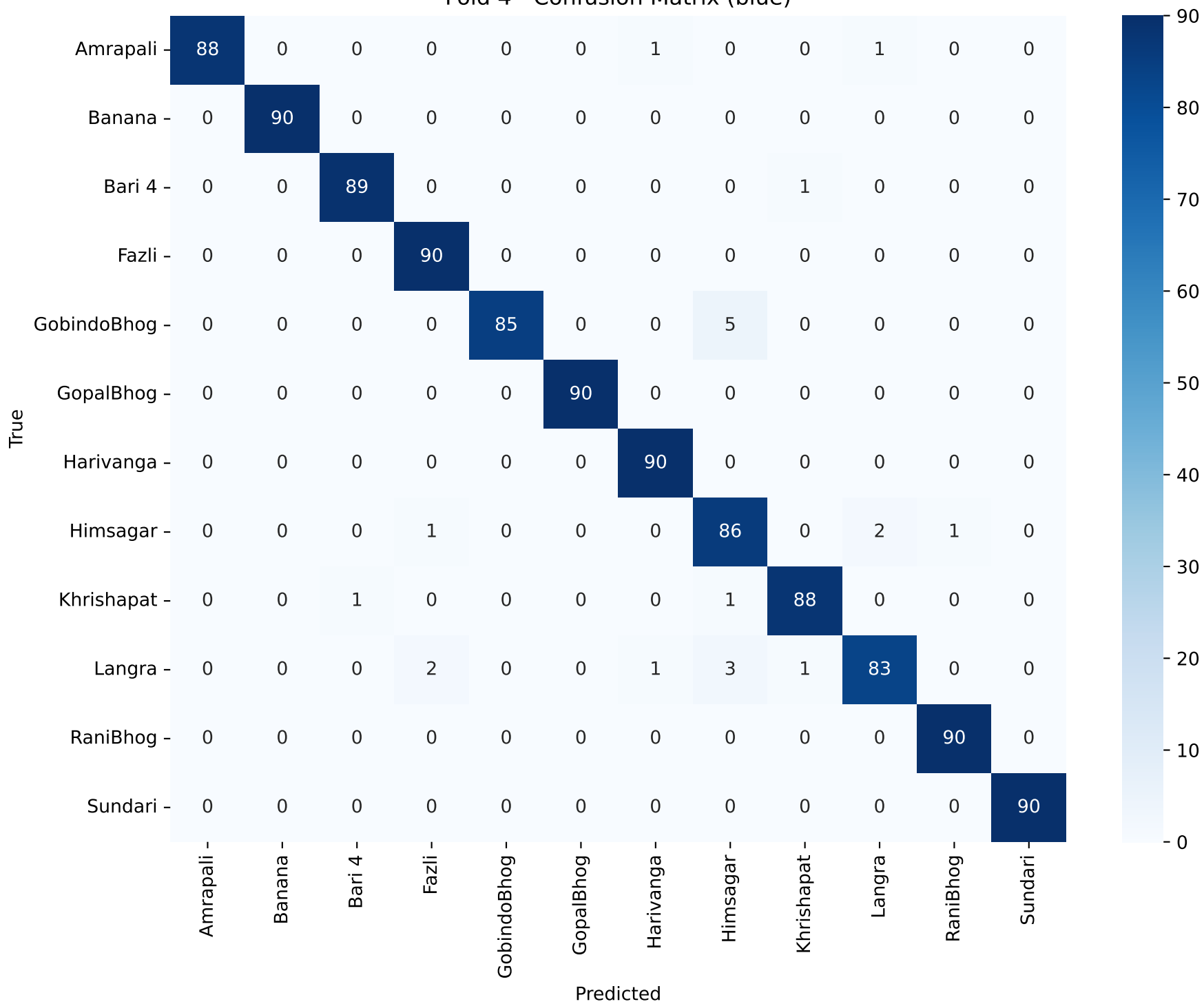Fold 4 - Confusion Matrix (green)

Fold 4 - Confusion Matrix (magenta)

Fold 4 - Confusion Matrix (viridis)

Fold 4 Accuracy

Fold 4 Loss

```
Classification Report - Fold 4
Generated: 2025-10-02 13:28:20

              precision    recall   f1-score    support

   Amrapali     1.0000     0.9778     0.9888         90
     Banana     1.0000     1.0000     1.0000         90
     Bari 4     0.9889     0.9889     0.9889         90
      Fazli     0.9677     1.0000     0.9836         90
GobindoBhog     1.0000     0.9444     0.9714         90
  GopalBhog     1.0000     1.0000     1.0000         90
  Harivanga     0.9783     1.0000     0.9890         90
   Himsagar     0.9053     0.9556     0.9297         90
 Khrishapat     0.9778     0.9778     0.9778         90
     Langra     0.9651     0.9222     0.9432         90
   RaniBhog     0.9890     1.0000     0.9945         90
    Sundari     1.0000     1.0000     1.0000         90

   accuracy                          0.9806       1080
  macro avg     0.9810     0.9806     0.9806       1080
weighted avg     0.9810     0.9806     0.9806       1080
```
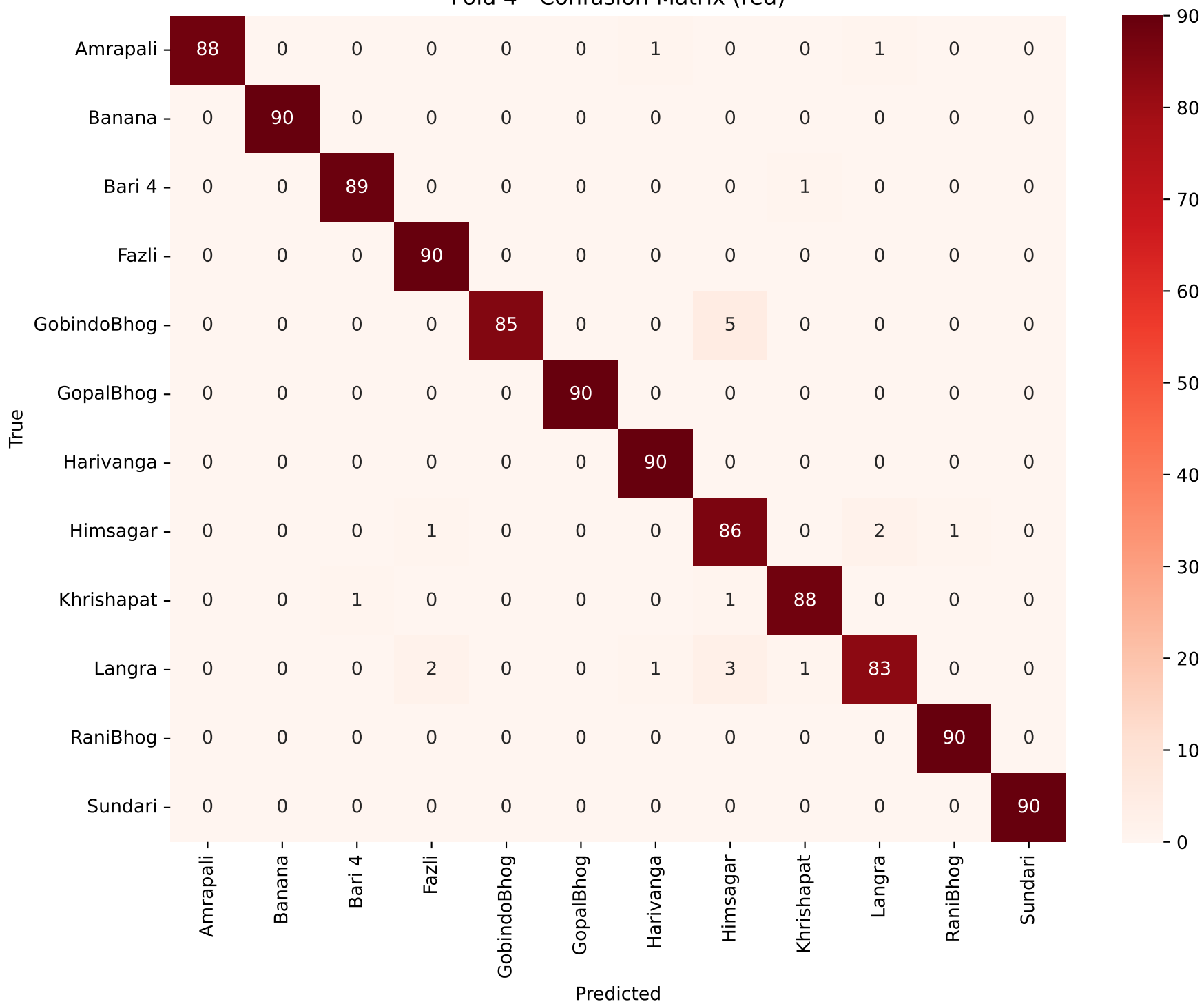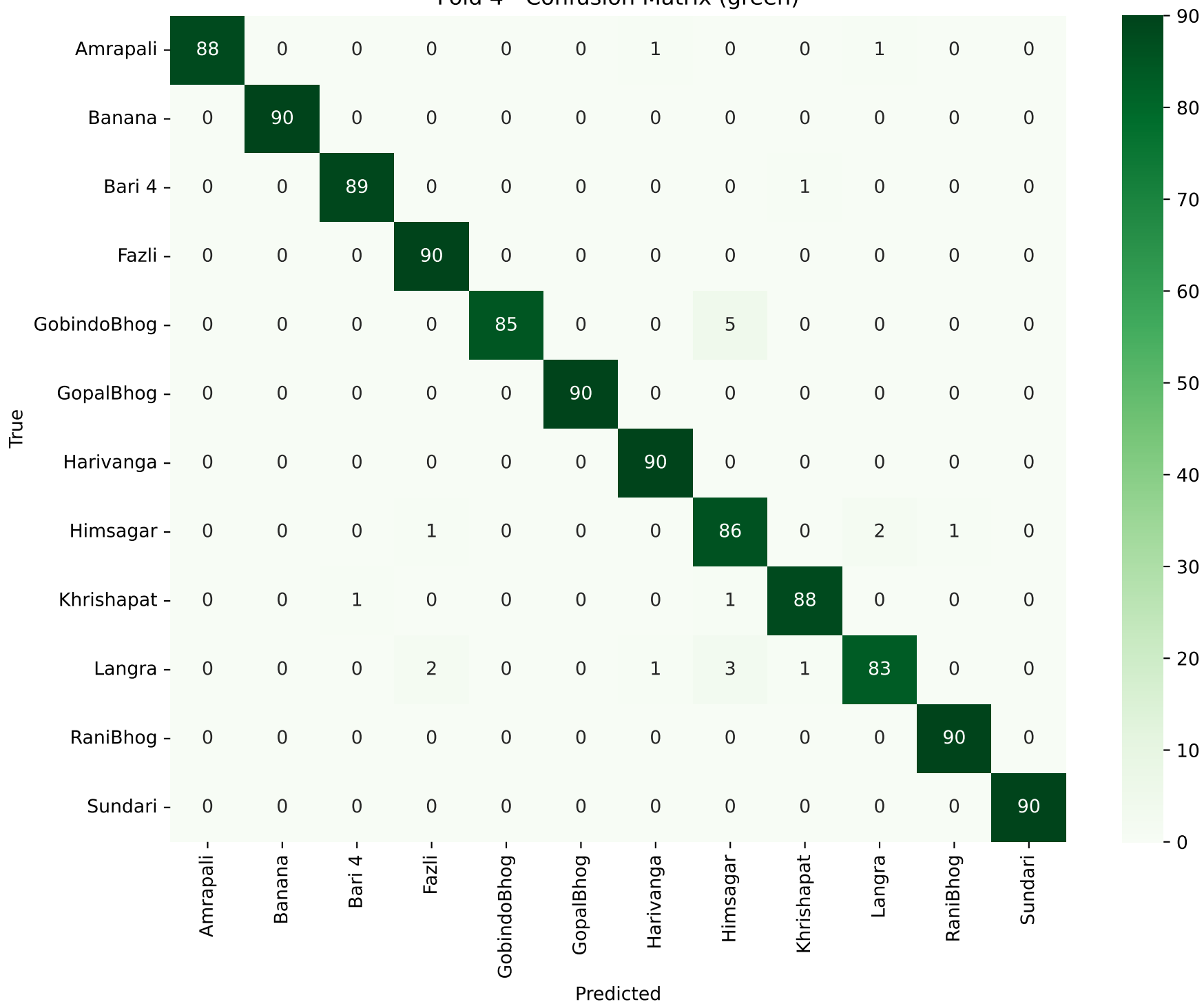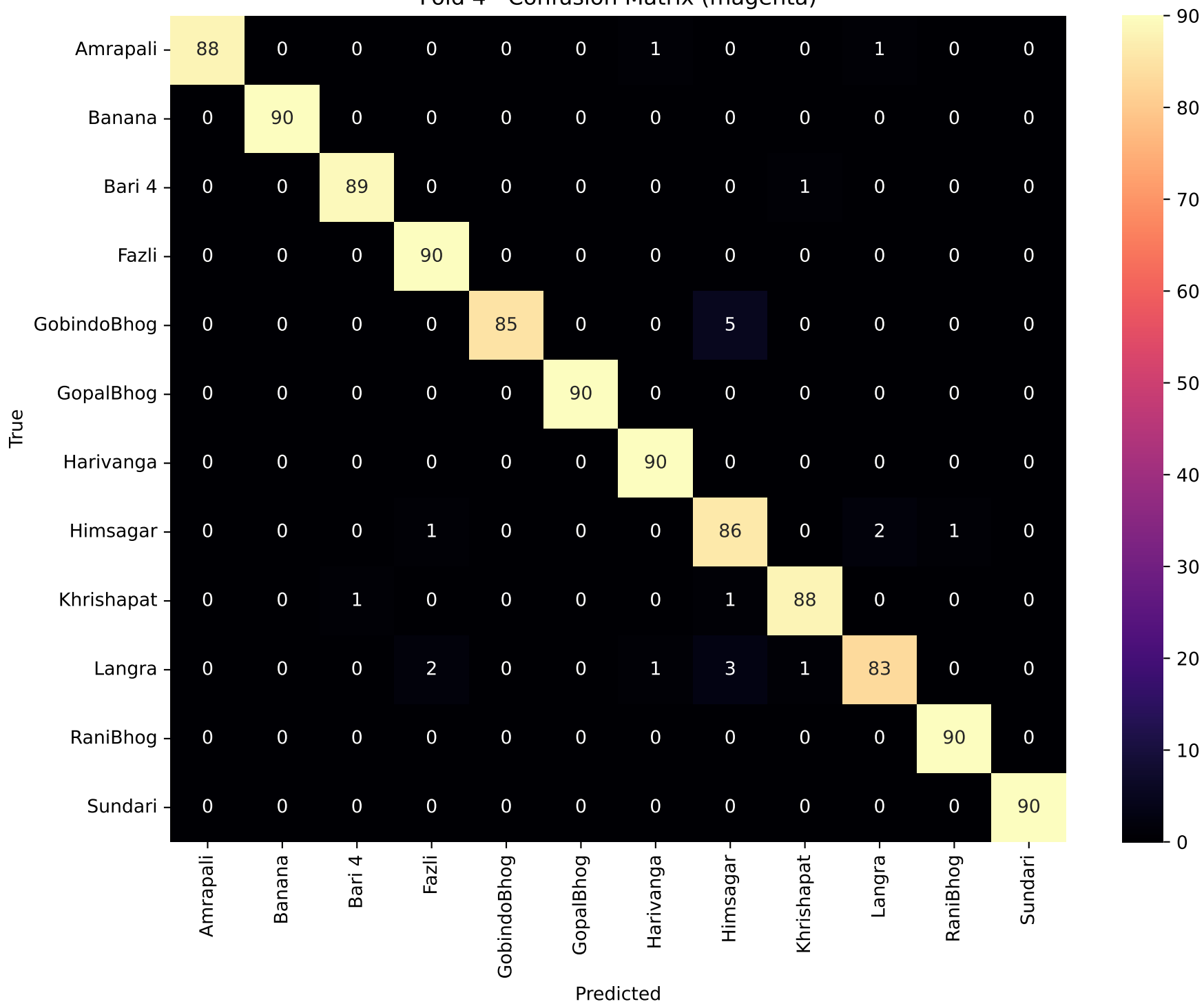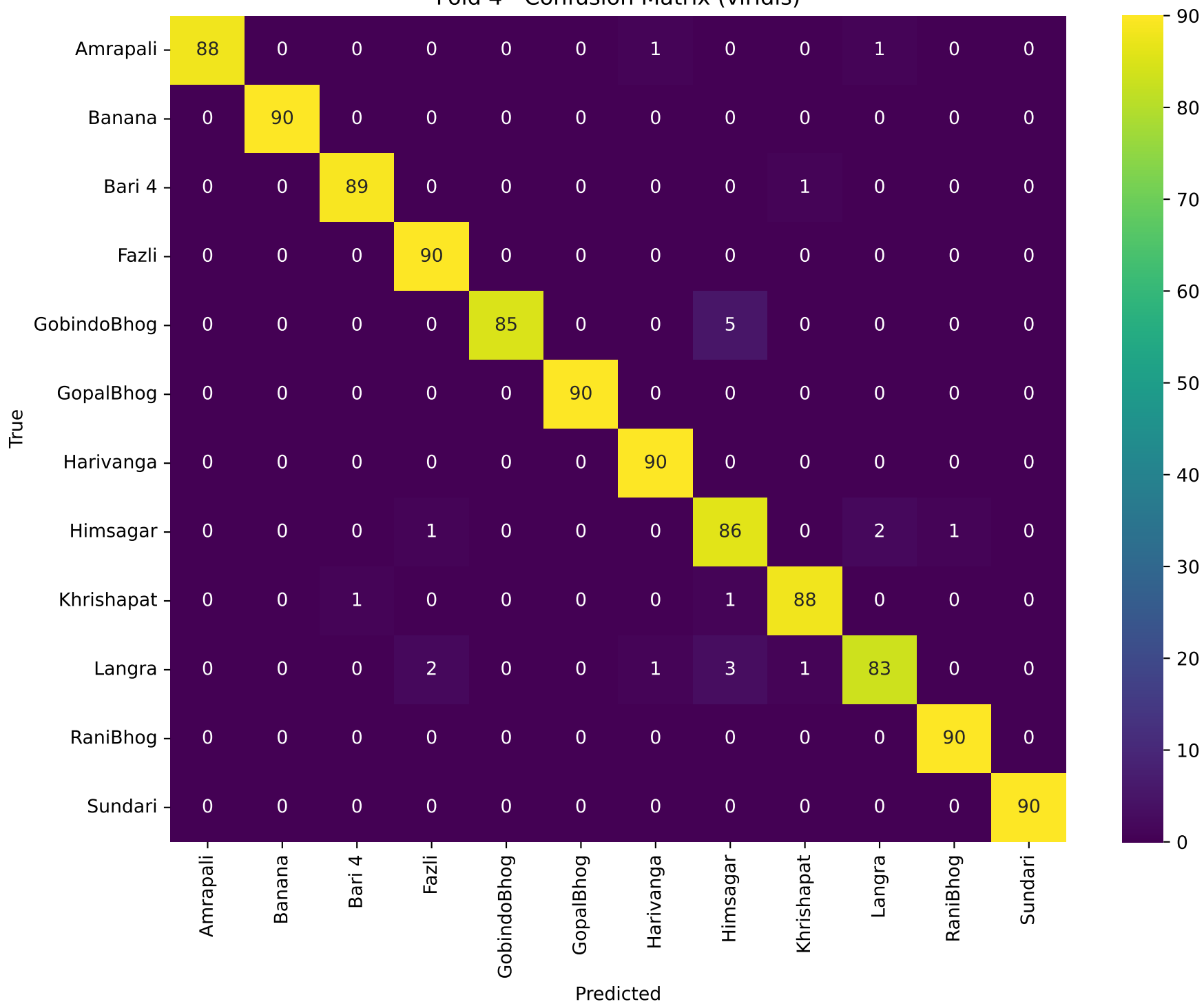
Fold 5 - Confusion Matrix (blue)

Fold 5 - Confusion Matrix (red)

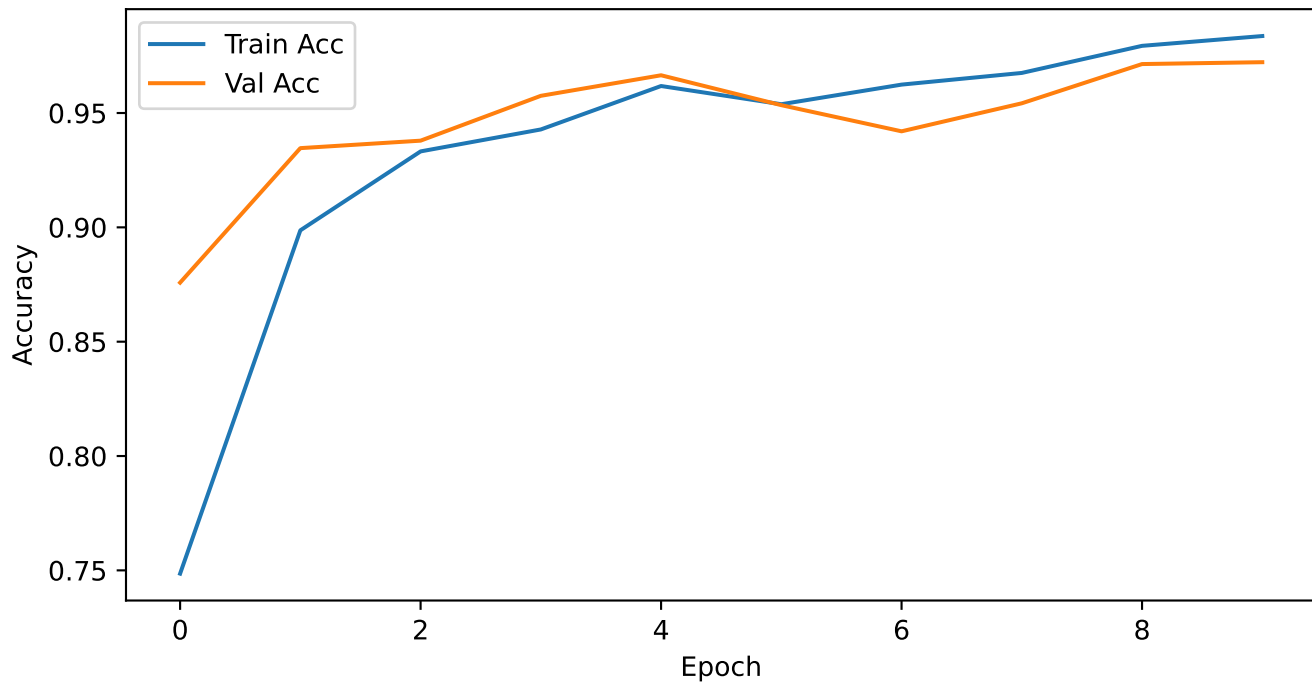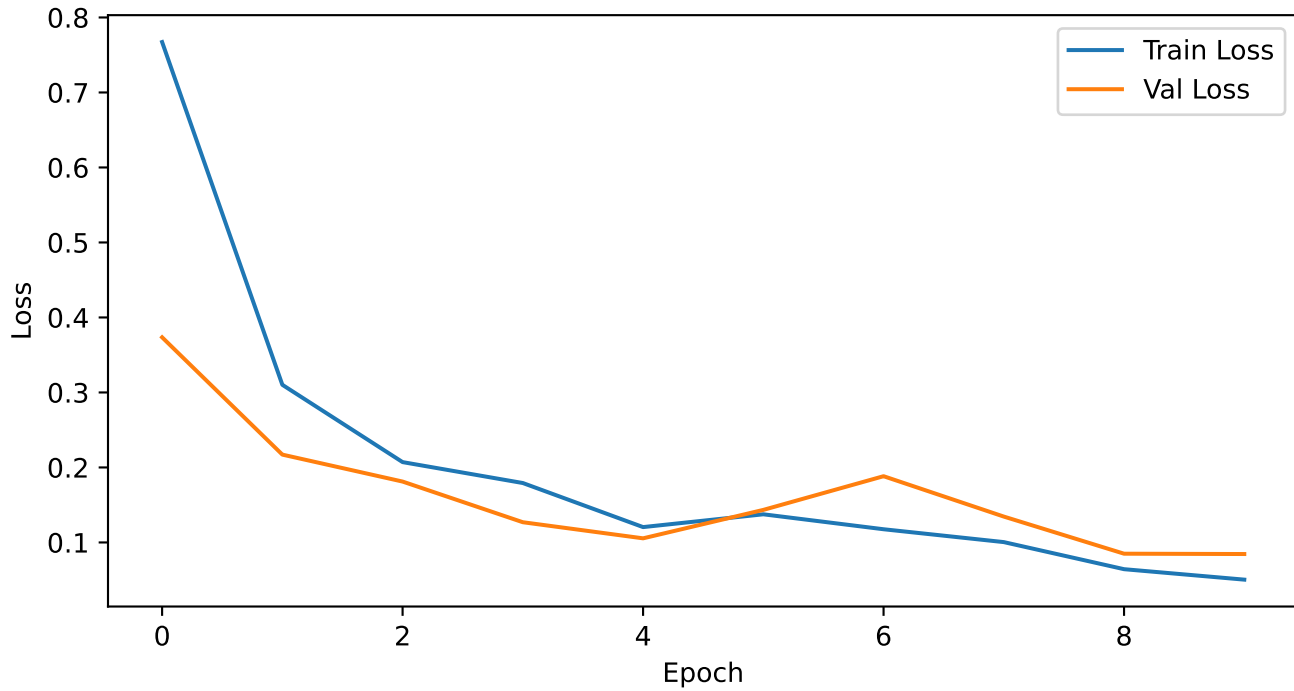Fold 5 - Confusion Matrix (green)

Fold 5 - Confusion Matrix (magenta)

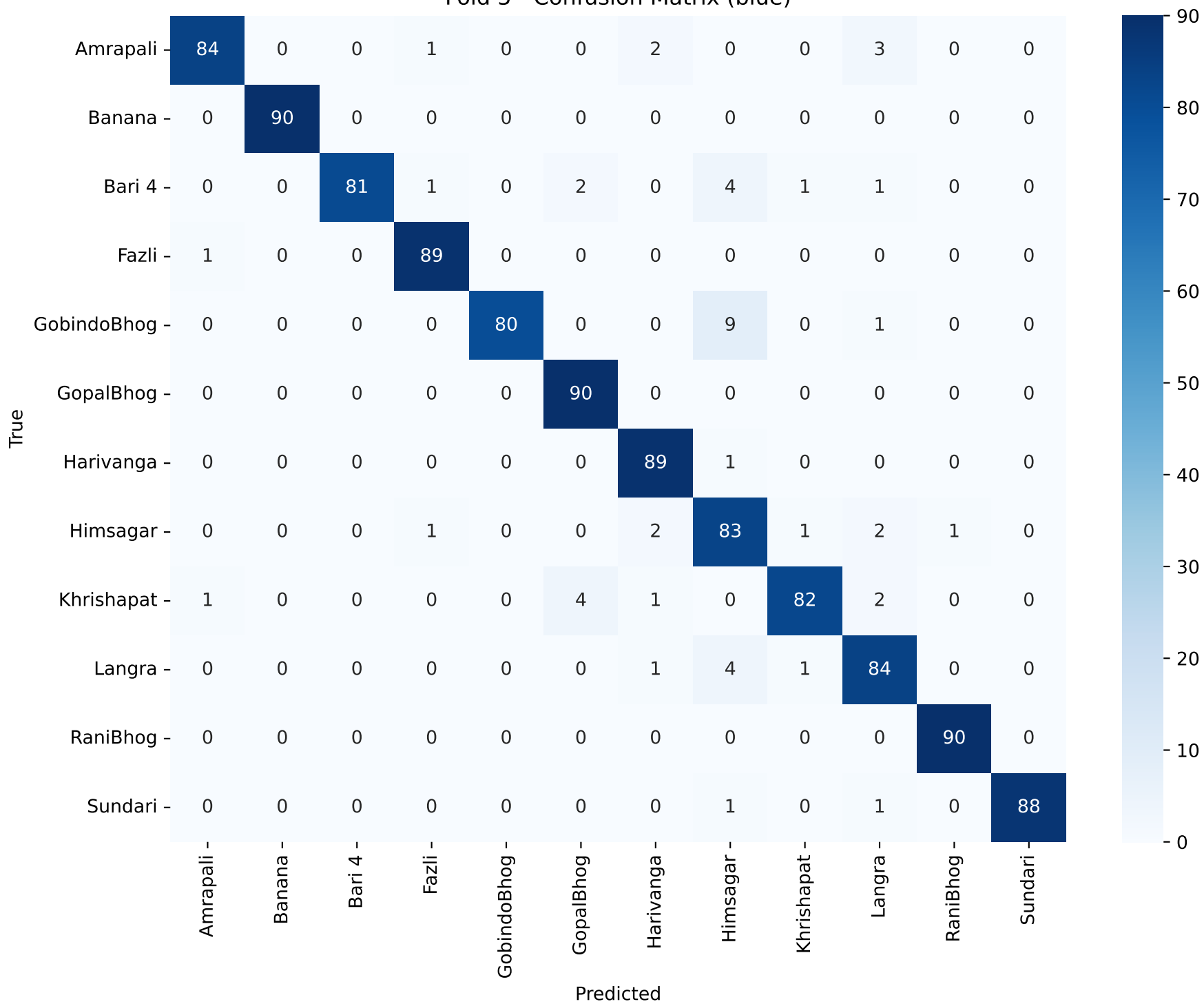Fold 5 - Confusion Matrix (viridis)

Fold 5 Accuracy

Fold 5 Loss

```
Classification Report - Fold 5
Generated: 2025-10-02 14:26:19

               precision    recall  f1-score   support

    Amrapali      0.9767    0.9333    0.9545        90
      Banana      1.0000    1.0000    1.0000        90
      Bari 4      1.0000    0.9000    0.9474        90
       Fazli      0.9674    0.9889    0.9780        90
 GobindoBhog      1.0000    0.8889    0.9412        90
   GopalBhog      0.9375    1.0000    0.9677        90
   Harivanga      0.9368    0.9889    0.9622        90
    Himsagar      0.8137    0.9222    0.8646        90
  Khrishapat      0.9647    0.9111    0.9371        90
      Langra      0.8936    0.9333    0.9130        90
    RaniBhog      0.9890    1.0000    0.9945        90
     Sundari      1.0000    0.9778    0.9888        90

    accuracy                          0.9537      1080
   macro avg      0.9566    0.9537    0.9541      1080
weighted avg      0.9566    0.9537    0.9541      1080
```
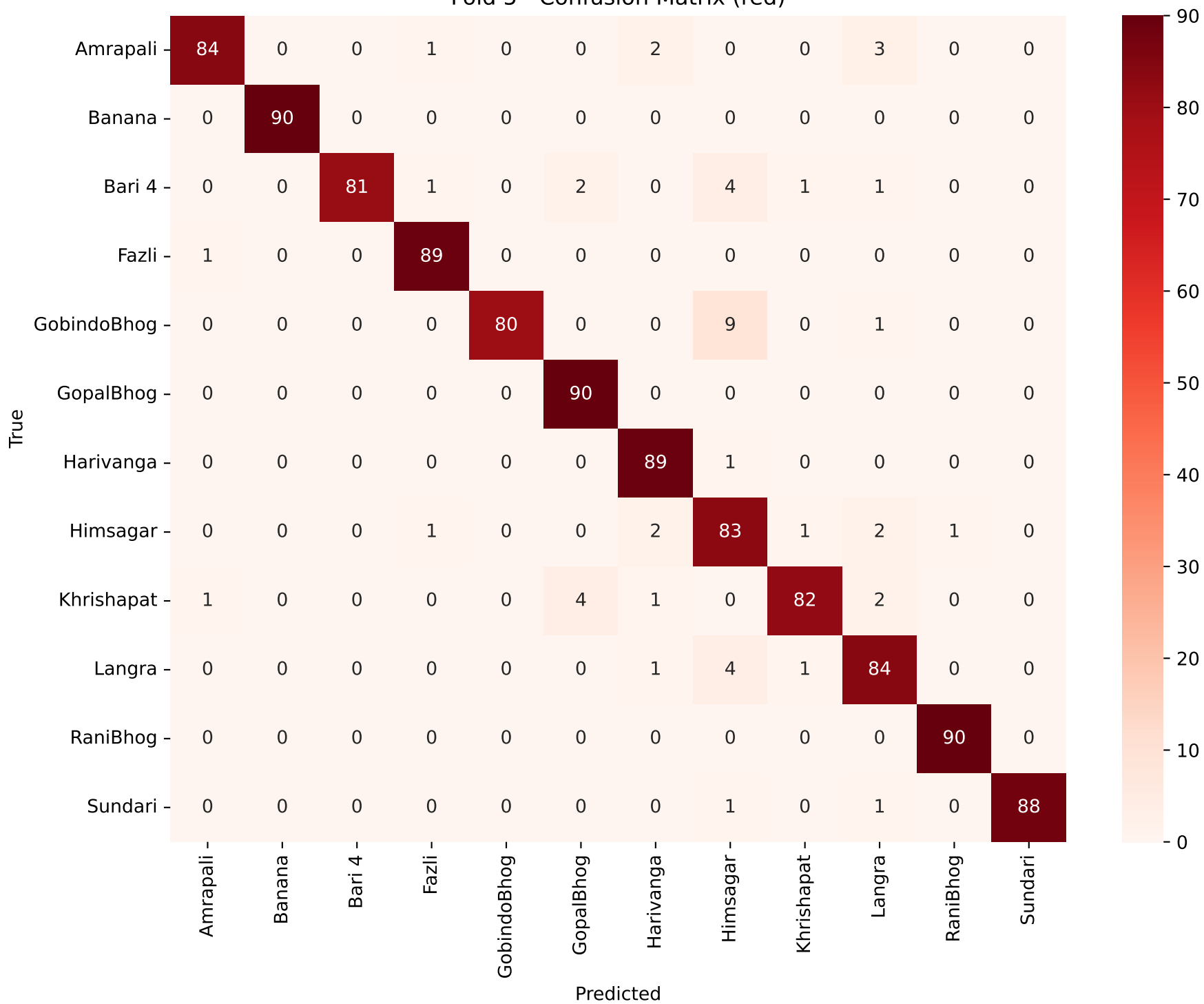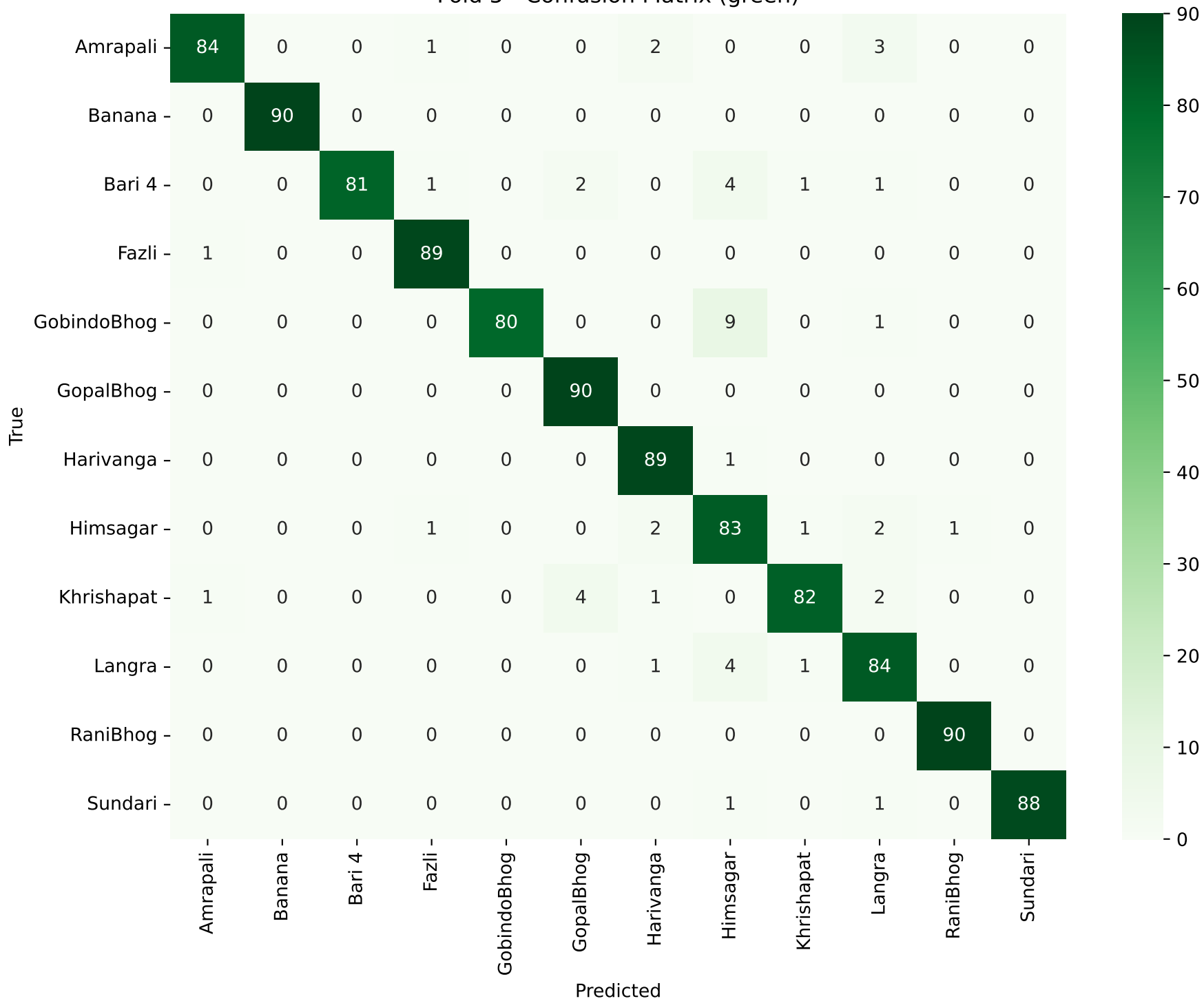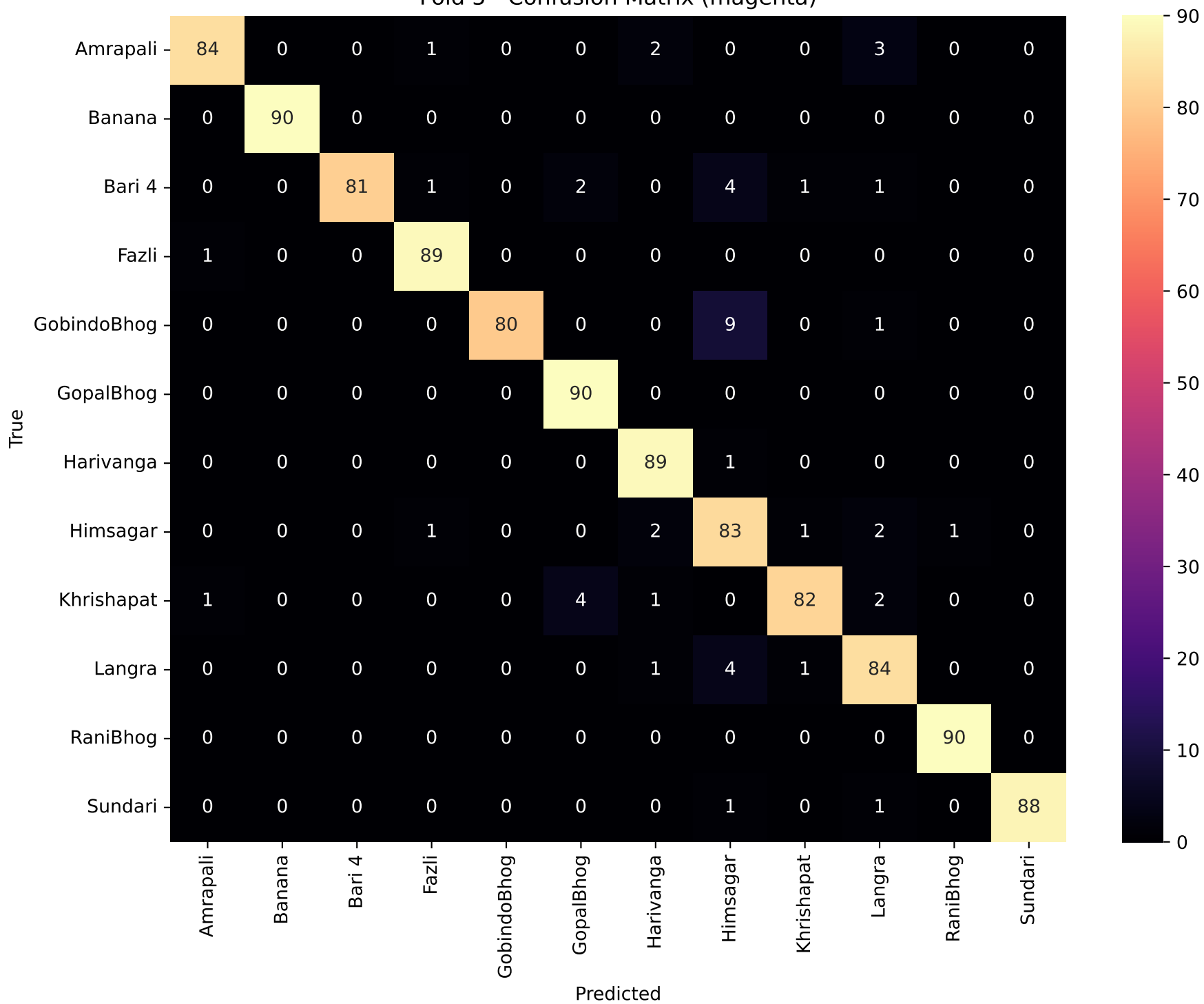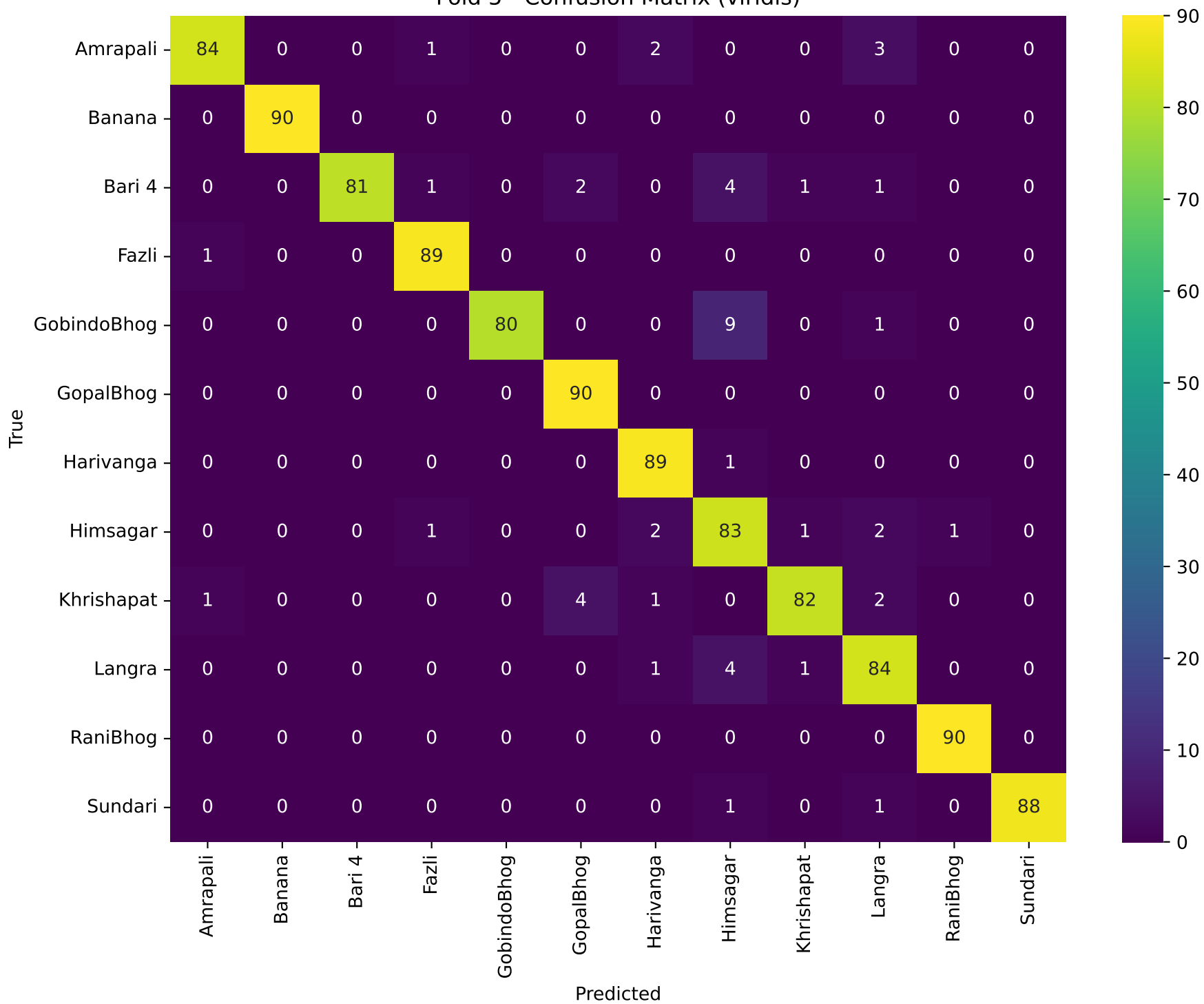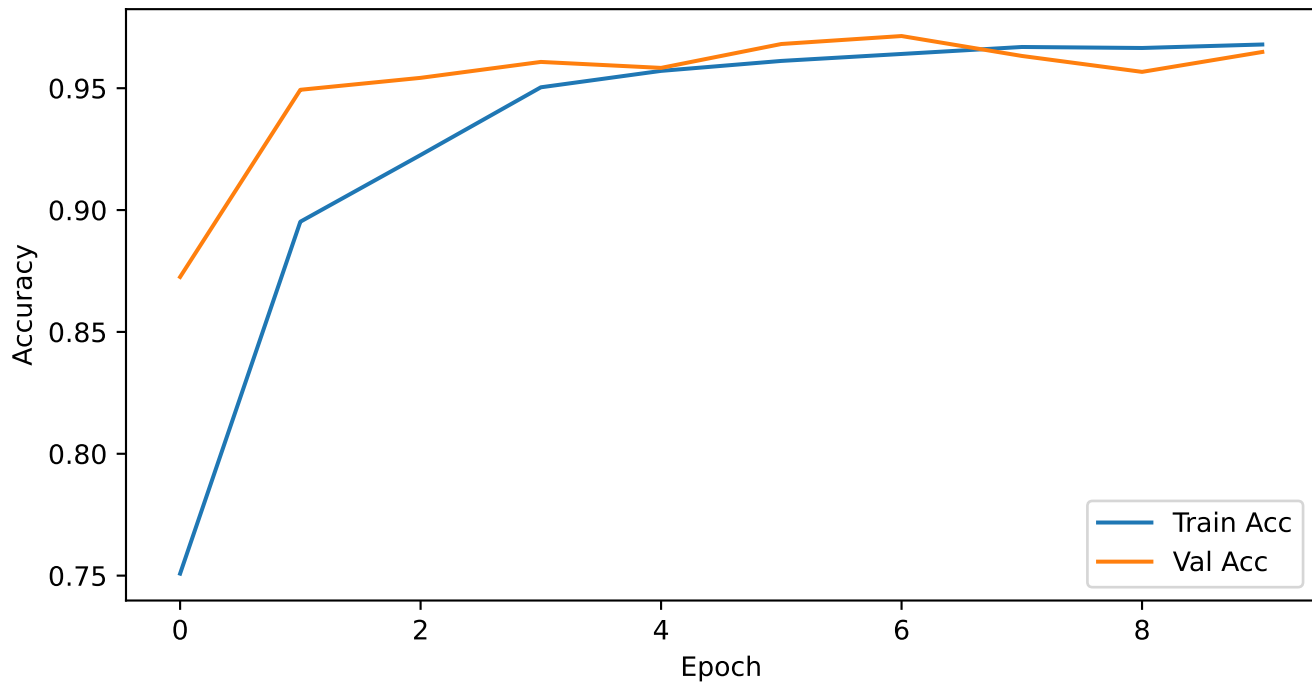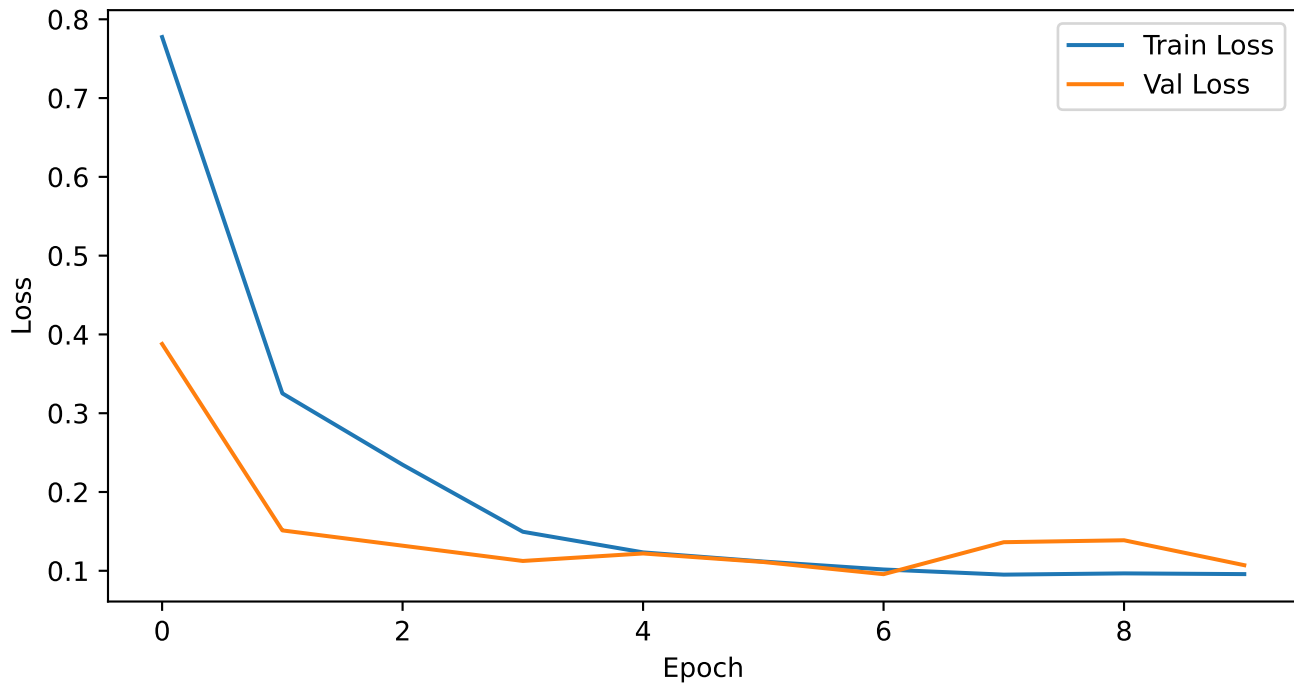
```
K-Fold Summary Metrics

Fold | Train Acc | Train Loss | Val Acc | Val Loss | Test Acc | Test Loss
------------------------------------------------------------------------------
   1 | 0.9732 | 0.0823 | 0.9706 | 0.0982 | 0.9657 | 0.0913
   2 | 0.9685 | 0.0920 | 0.9730 | 0.0703 | 0.9528 | 0.1431
   3 | 0.9734 | 0.0784 | 0.9681 | 0.1345 | 0.9620 | 0.1176
   4 | 0.9837 | 0.0504 | 0.9722 | 0.0846 | 0.9806 | 0.0714
   5 | 0.9679 | 0.0958 | 0.9649 | 0.1071 | 0.9537 | 0.1202
```

```
Aggregate K-Fold Statistics

Metric      | Mean   | Std    | Min    | Max
-------------------------------------------------------
Train Acc   | 0.9734 | 0.0056 | 0.9679 | 0.9837
Train Loss  | 0.0798 | 0.0160 | 0.0504 | 0.0958
Val Acc     | 0.9698 | 0.0030 | 0.9649 | 0.9730
Val Loss    | 0.0989 | 0.0217 | 0.0703 | 0.1345
Test Acc    | 0.9630 | 0.0101 | 0.9528 | 0.9806
Test Loss   | 0.1087 | 0.0249 | 0.0714 | 0.1431
```