|  | **(1)** | **(2)** | **(3)** | **(4)** | **(5)** | **(6)** |
| --- | --- | --- | --- | --- | --- | --- |
| **Yield Measure** | Mg/ha | Mg/ha | Mg/ha | M Kcals/ha | M Kcals /ha | M Kcals /ha |
| **Scale** | Globe | Tropics | Temperate | Globe | Tropics | Temperate |
| Soil Score | -7.389\*\*\*  (2.855) | 5.759\*\*\*  (1.541) | -7.288\*\*  (3.356) | -6.613\*\*\*  (2.425) | 20.13\*\*\*  (5.472) | -6.940\*\*\*  (1.653) |
| Cropped area (1,000,000 ha) | 0.017\*\*  (0.007) | 0.037\*\*\*  (0.007) | 0.028\*\*\*  (0.008) | 0.095\*\*\*  (0.002) | 0.165\*\*\*  (0.004) | 0.009\*\*\*  (0.001) |
| Percentage of cropped area in fruit production | 0.052\*\*\*  (0.017) | 0.145\*\*\*  (0.026) | -0.0214  (0.027) | 0.132\*\*\*  (0.032) | 0.319\*\*\*  (0.081) | 0.032\*  (0.018) |
| Percentage of cropped area in grain (less wheat) production | -0.050\*\*\*  (0.007) | -0.034\*\*\*  (0.006) | -0.066\*\*\*  (0.013) | -0.076\*\*\*  (0.012) | -0.127\*\*\*  (0.022) | -0.030\*\*\*  (0.010) |
| Percentage of cropped area in oil crop production | -0.033\*\*\*  (0.007) | 2.61x10-5  (0.007) | -0.080\*\*\*  (0.013) | -0.019  (0.013) | -0.005  (0.021) | -0.031\*\*\*  (0.012) |
| Percentage of cropped area in rice crop production | 0.006  (0.007) | 0.007  (0.008) | 0.002  (0.015) | 0.077\*\*\*  (0.019) | 0.047\*  (0.028) | 0.201\*\*\*  (0.023) |
| Percentage of cropped area in roots and tubers production | 0.036\*\*\*  (0.013) | 0.022  (0.014) | 0.093\*\*\*  (0.029) | -0.061\*\*  (0.029) | -0.088\*\*  (0.043) | -0.057\*  (0.031) |
| Percentage of cropped area in sugarcane production | 0.558\*\*\*  (0.022) | 0.551\*\*\*  (0.027) | 0.719\*\*\*  (0.032) | 2.338\*\*\*  (0.077) | 2.221\*\*\*  (0.101) | 3.158\*\*\*  (0.092) |
| Percentage of cropped area in wheat production | -0.043\*\*\*  (0.008) | -0.250\*\*\*  (0.033) | -0.066\*\*\*  (0.014) | 0.037\*\*\*  (0.013) | -0.778\*\*\*  (0.120) | 0.057\*\*\*  (0.011) |
| Growing season daytime temperature (degrees Celsius) | -0.668\*\*\*  (0.255) | -1.422\*\*  (0.638) | -0.641\*\*  (0.295) | 0.301  (0.351) | -5.101\*\*\*  (1.880) | 0.169  (0.327) |
| The square of growing season daytime temperature | 0.009\*  (0.005) | 0.0184\*  (0.011) | 0.011\*  (0.006) | -0.013\*  (0.007) | 0.068\*\*  (0.030) | -0.006  (0.006) |
| Growing season nighttime temperature (degrees Celsius) | 0.152  (0.188) | 0.483  (0.372) | -0.087  (0.252) | -0.709\*\*  (0.336) | 2.362\*\*  (1.138) | -0.983\*\*\*  (0.283) |
| The square of growing season nighttime temperature | -0.002  (0.006) | -0.006  (0.010) | -0.001  (0.010) | 0.027\*\*  (0.012) | -0.045  (0.030) | 0.029\*\*\*  (0.010) |
| Growing season precipitation (mm) | 0.001  (.001) | 0.001  (0.002) | 0.001  (0.002) | 0.002  (0.005) | 0.001  (0.006) | 0.003  (0.005) |
| The square of growing season precipitation | -1.51x10-6  (1.48x10-6) | -1.22x10-6  (1.43x10-6) | -2.50x10-6  (3.61x10-6) | -4.16x10-6  (4.57x10-6) | -2.14x10-6  (5.01x10-6) | -1.4x10-5\*  (7.90x10-6) |
| Hectares equipped for irrigation / cropped area | 0.047  (0.235) | 1.174\*  (0.612) | 1.269\*\*\*  (0.294) | 0.279\*  (0.160) | 2.460  (2.261) | 1.049\*\*\*  (0.349) |
| Equipment investment  ($ M (2005) / cropped ha) | 22.26\*\*\*  (7.259) | 840.3\*\*  (423.0) | 1.265  (7.47) | -32.60\*\*  (14.39) | 652.8  (1206) | -41.14\*\*\*  (14.68) |
| Land development investment  ($ M (2005) / cropped ha) | 5.52\*\*\*  (1.002) | 2.301  (2.176) | -115.9\*\*\*  (20.83) | 5.063\*\*\*  (0.831) | -3.620  (7.461) | -71.69\*\*  (28.76) |
| Year | 0.042\*\*\*  (0.002) | 0.017\*\*\*  (0.003) | 0.071\*\*\*  (0.004) | 0.078\*\*\*  (0.006) | 0.041\*\*\*  (0.010) | 0.103\*\*\*  (0.006) |
| Constant | -55.87\*\*\*  (6.874) | -27.49\*\*\*  (9.236) | -112.2\*\*\*  (8.766) | -136.0\*\*\*  (12.85) | -63.45\*\*  (28.81) | -185.9\*\*\*  (11.49) |
| N | 4533 | 2182 | 2224 | 4533 | 2182 | 2224 |
| F-value |  | 757.76\*\*\* |  | 639.33\*\*\* | 644.00\*\*\* | 675.67\*\*\* |
| Root MSE | 1.134 | 1.124 | 1.018 | 3.146 | 4.007 | 1.451 |