|  | **(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 |