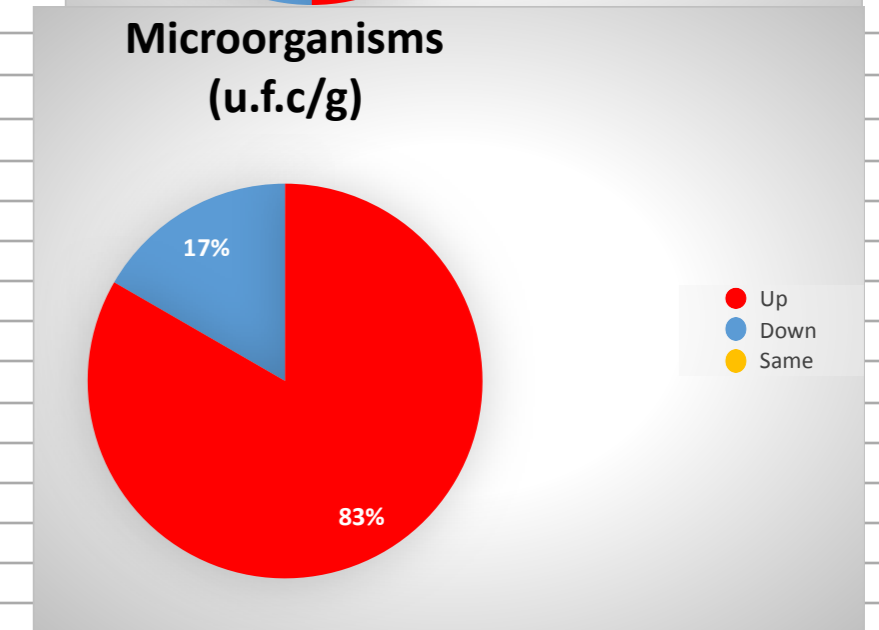
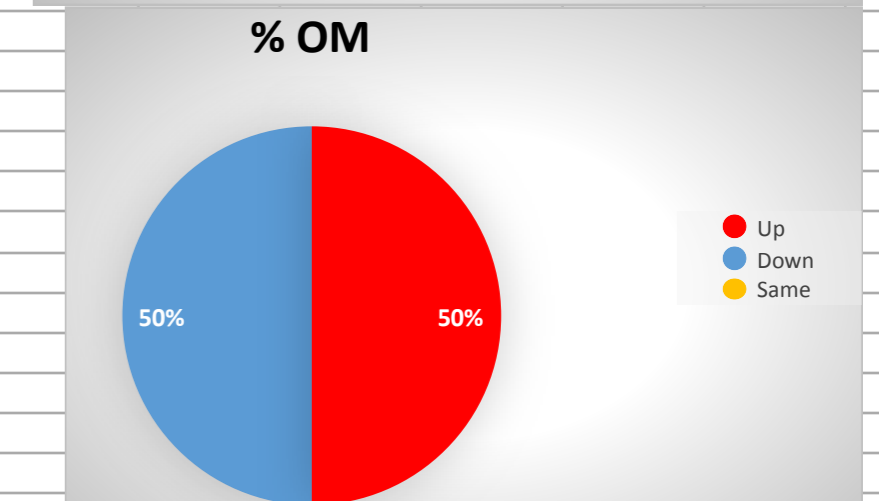
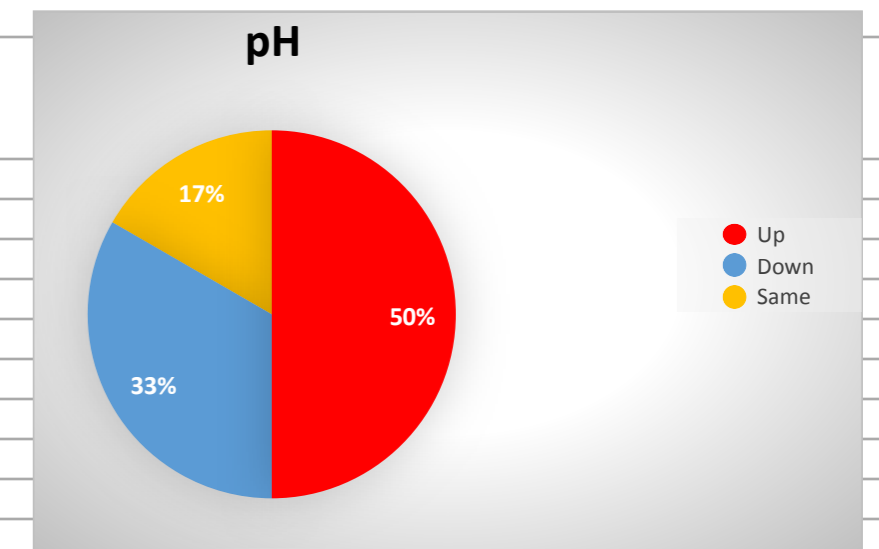


| Farmer | Parcel | Soil Analysis | Texture | pH | % OM | Phosphate (ppm) | Potassium (ppm) | Limestone (%) | Total Nitrogen (%) | Total microorg. (u.f.c/g) |
|------------------|--------|---------------|---------|-----|------|-----------------|-----------------|---------------|--------------------|---------------------------|
| Armando Neto | A | Before | Medium | 6.1 | 1.2 | 328 | 166 | 0.0 | 0.078 | 1,7×10 ⁶ |
| | | After | Medium | 7.6 | 1.5 | 568 | 173 | 0.0 | 0.087 | 4,0×10 ⁷ |
| Fernando Paulo | B | Before | Thin | 8.1 | 1.4 | 171 | 99 | 0.5 | 0.096 | 6,8×10 ⁶ |
| | | After | Thin | 7.9 | 1.6 | 313 | 93 | 0.5 | 0.101 | 5,6×10 ⁷ |
| Fernando Rui | C | Before | Thin | 7.7 | 1.5 | 366 | 116 | 0.5 | 0.091 | 8,4×10 ⁷ |
| | | After | Medium | 7.9 | 1.3 | 310 | 77 | 0.5 | 0.093 | 3,6×10 ⁸ |
| Irmãos Marcelino | D | Before | Thin | 7.7 | 1.7 | 359 | 232 | 0.0 | 0.111 | 8,1×10 ⁶ |
| | | After | Thin | 7.7 | 2.1 | 395 | 148 | 0.5 | 0.126 | 2,6×10 ⁸ |
| Nelson Modesto | E | Before | Thin | 7.4 | 2.1 | 214 | 199 | 0.5 | 0.125 | 5,7×10 ⁷ |
| | | After | Thin | 6.8 | 1.5 | 182 | 137 | 0.5 | 0.108 | 3,9×10 ⁷ |
| Rui Vieira | F | Before | Thin | 7.7 | 1.2 | 288 | 120 | 0.5 | 0.091 | 1,9×10 ⁷ |
| | | After | Thin | 8 | 1.1 | 316 | 127 | 0.5 | 0.090 | 2,0×10 ¹⁰ |

| pH | Up | Down | Same |
|--------------|----|------|------|
| Parcel | A | B | D |
| | C | E | |
| Total | 3 | 2 | 1 |

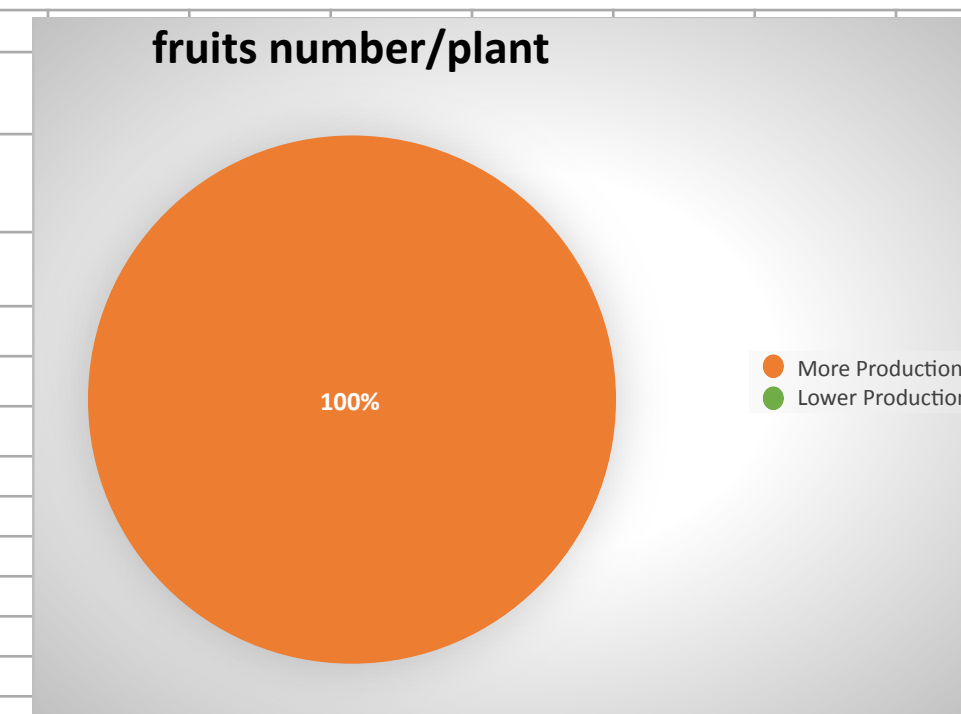
| % OM | Up | Down | Same |
|--------------|----|------|------|
| Parcel | A | C | |
| | B | E | |
| | D | F | |
| Total | 3 | 3 | 0 |

| Microorganisms (u.f.c/g) | Up | Down | Same |
|--------------------------|----|------|------|
| Parcel | A | E | |
| | B | | |
| | C | | |
| | D | | |
| | F | | |
| Total | 5 | 1 | 0 |

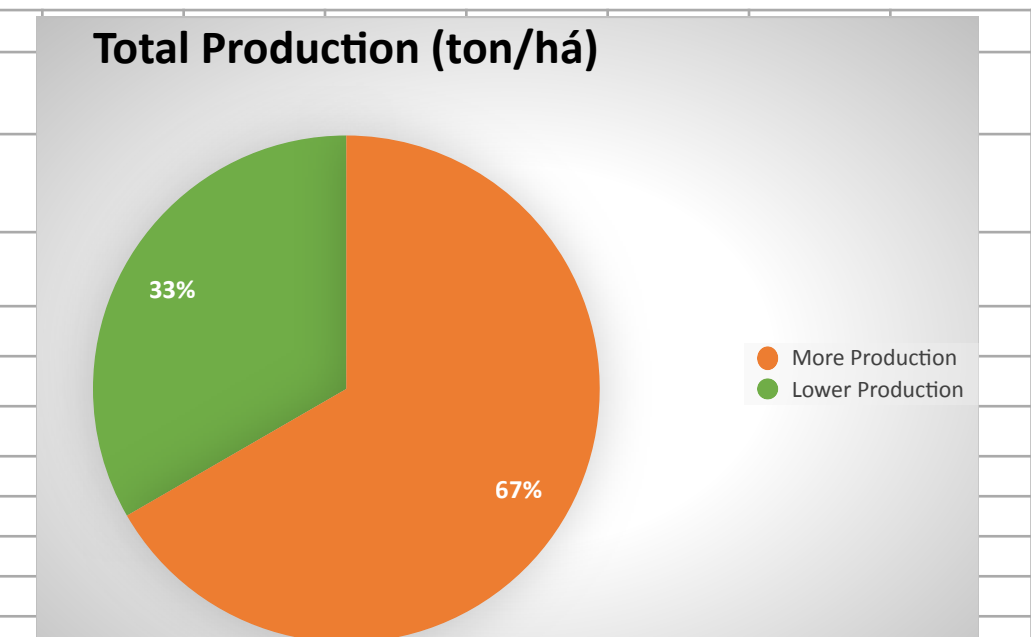


| Farmer | Parcel | | fruits number/ plant | weight/plant (g) | weight/fruit (g) | Production (ton/há) | |
|------------------|--------|---------|-------------------------|---------------------|---------------------|---------------------|------------------|
| | | | | | | Total | Viable fruits |
| Armando Neto | A | Control | 42.58 > | 2391.08 < | 56.15 < | 71.73 < | 58.31 < |
| | | Test | 50.08 | 2020.50 | 40.34 | 60.62 | 52.87 |
| Fernando Paulo | B | Control | 95 > | 36925 > | 388.68 < | 33.27 > | 68.74 > |
| | | Test | 123 | 44076 | 358.34 | 40.40 | 86.74 |
| Fernando Rui | C | Control | 165 > | 43028 > | 260.78 > | 45.90 > | 113.73 < |
| | | Test | 183 | 49816 | 272.22 | 53.14 | 103.13 |
| Irmãos Marcelino | D | Control | 168 > | 43129 < | 256.72 > | 39.53 < | 76.27 > |
| | | Test | 138 | 40648 | 294.55 | 37.26 | 92.80 |
| Nelson Modesto | E | Control | 210 > | 52283 > | 248.97 > | 47.93 > | 54.06 > |
| | | Test | 218 | 60711 | 278.49 | 55.65 | 72.59 |
| Rui Vieira | F | Control | 234 > | 39693 > | 169.63 > | 43.66 > | 50.27 > |
| | | Test | 261 | 52118 | 199.69 | 57.33 | 61.14 |

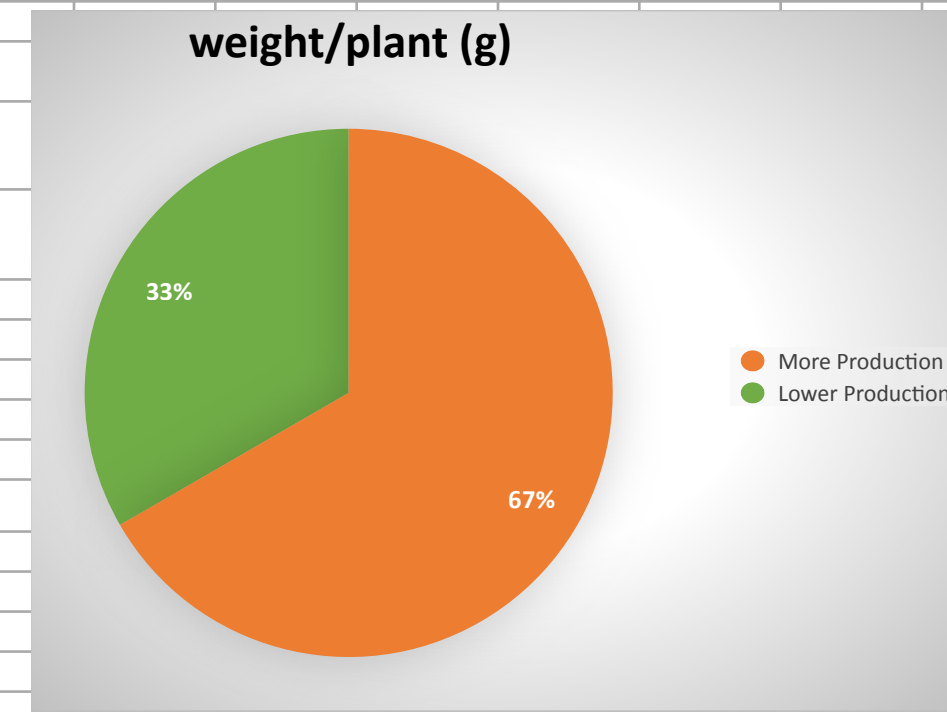
| fruits number/plant | More Production | Lower Production |
|---------------------|----------------------------|---------------------|
| Parcel | A B C D E F | |
| Total | 6 | 0 |



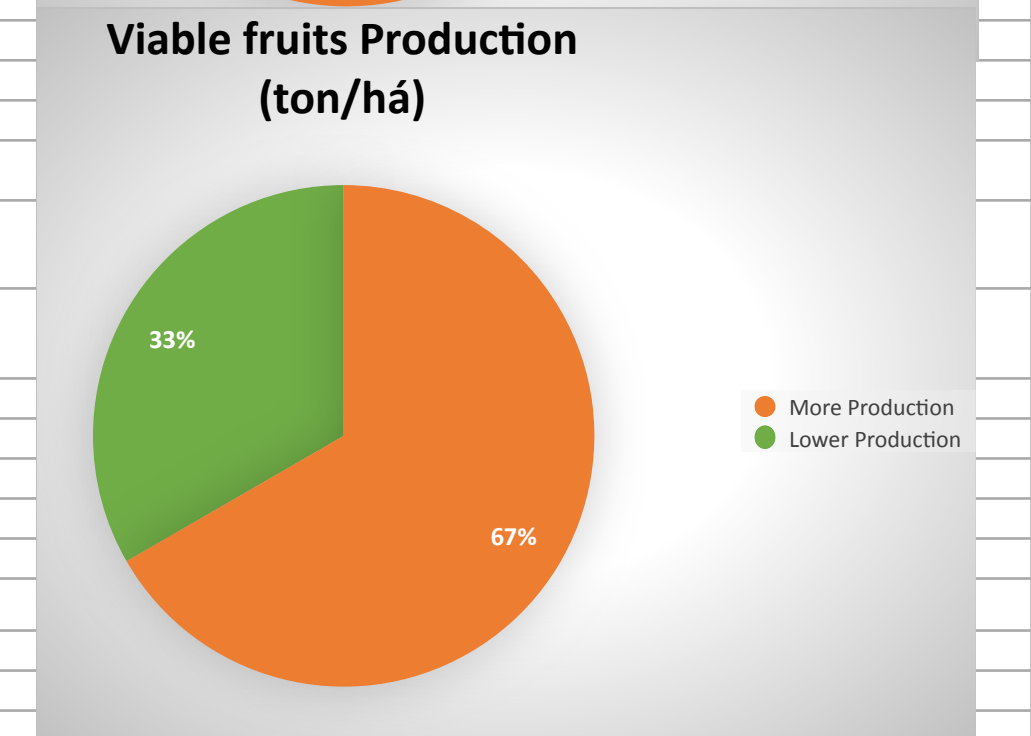
| Total Production (ton/há) | More Production | Lower Production |
|---------------------------|--------------------|---------------------|
| Parcel | B C E F | A D |
| Total | 4 | 2 |



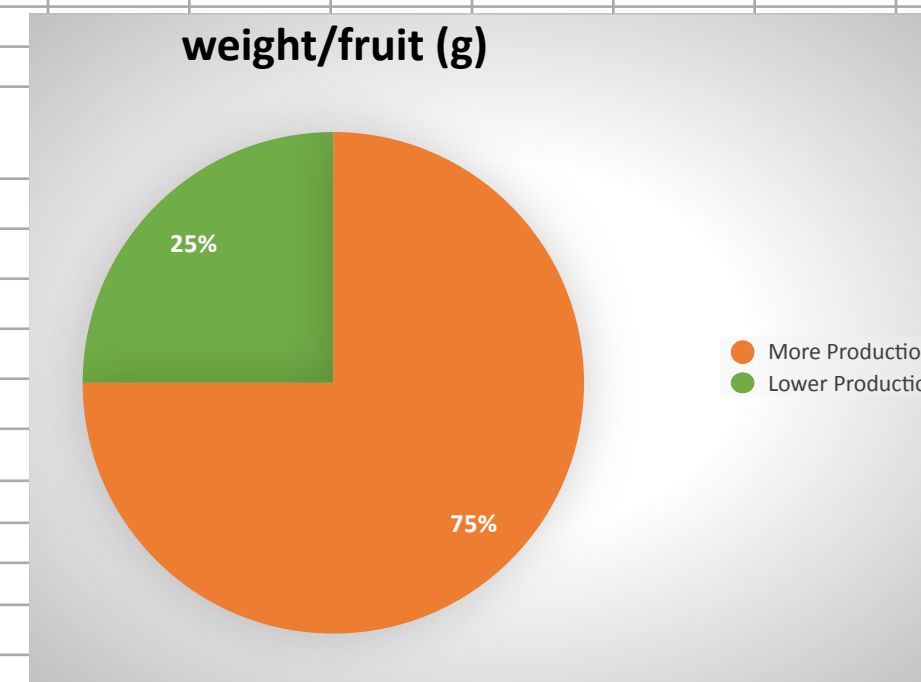
| weight/plant (g) | More Production | Lower Production |
|------------------|--------------------|---------------------|
| Parcel | B C E F | A D |
| Total | 4 | 2 |



| Viable fruits Production (ton/há) | More Production | Lower Production |
|-----------------------------------|--------------------|---------------------|
| Parcel | B D E F | A C |
| Total | 4 | 2 |

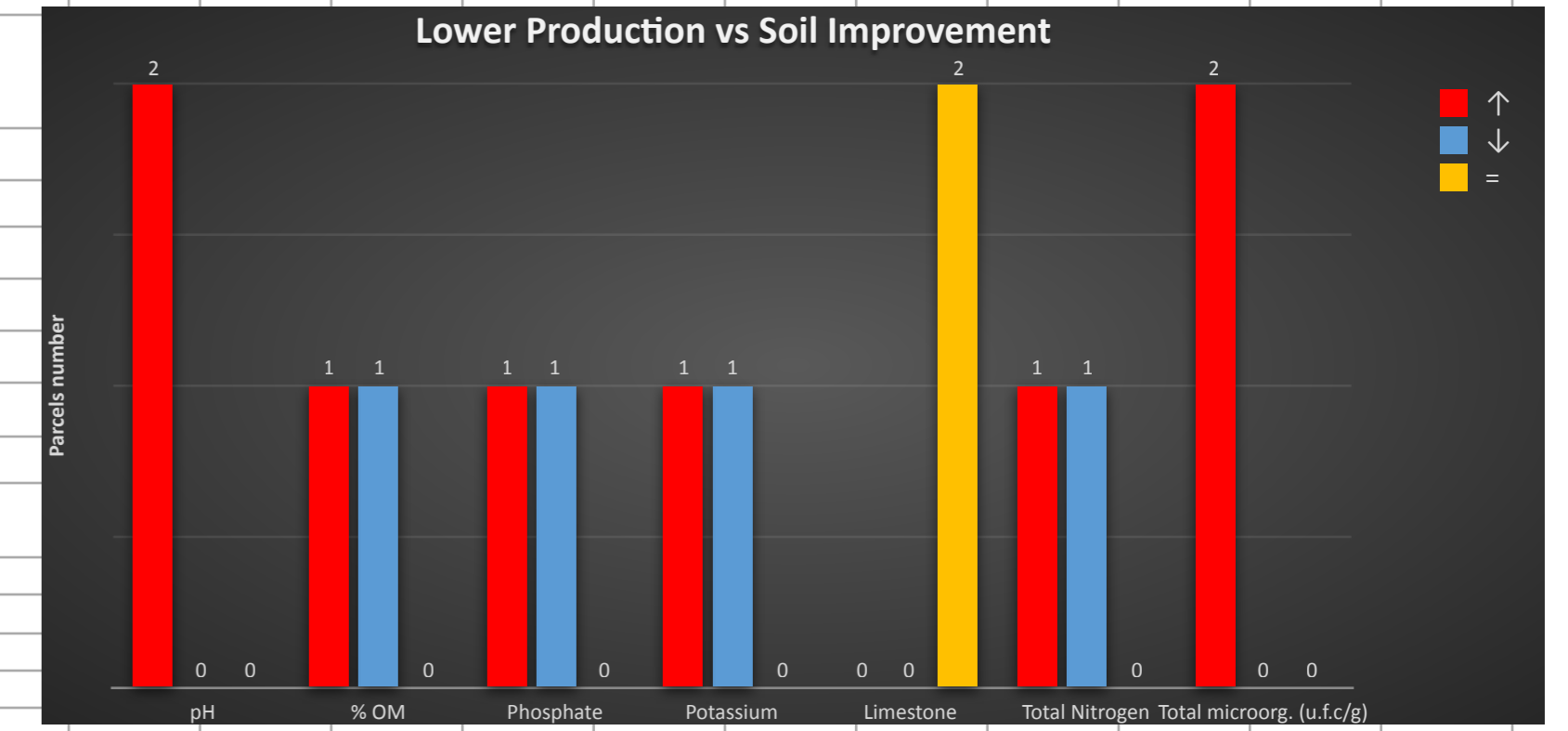
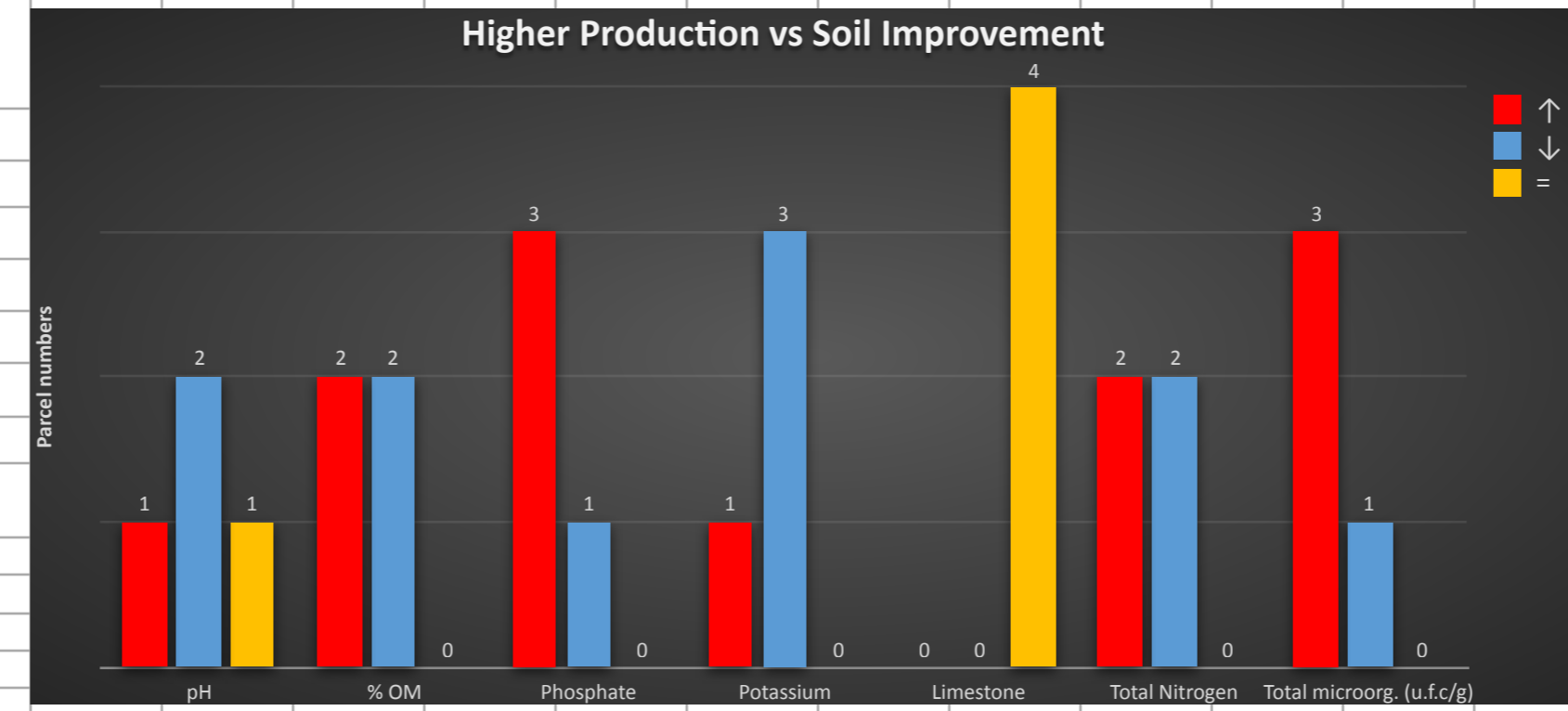


| weight/fruit (g) | More Production | Lower Production |
|------------------|--------------------|---------------------|
| Parcel | C D E F | A B |
| Total | 6 | 2 |



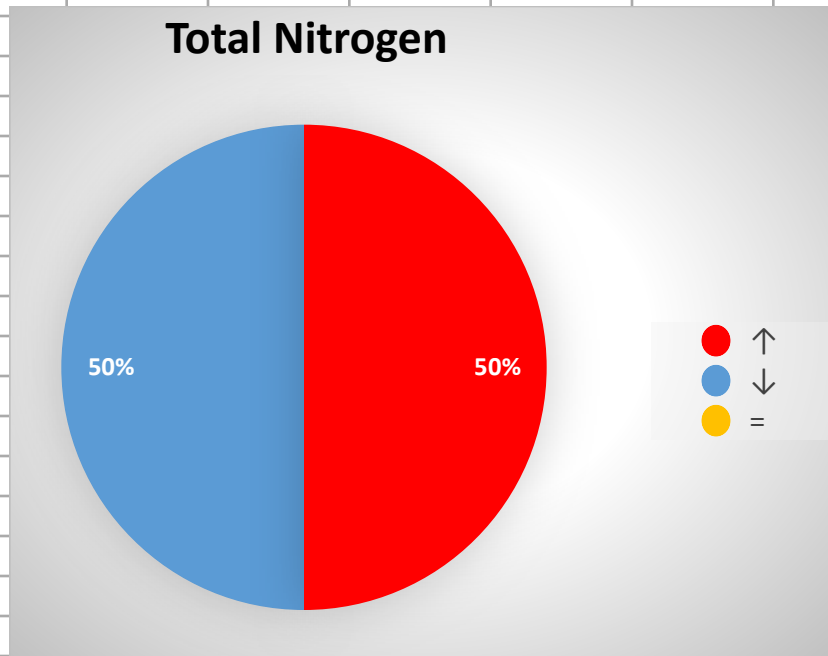
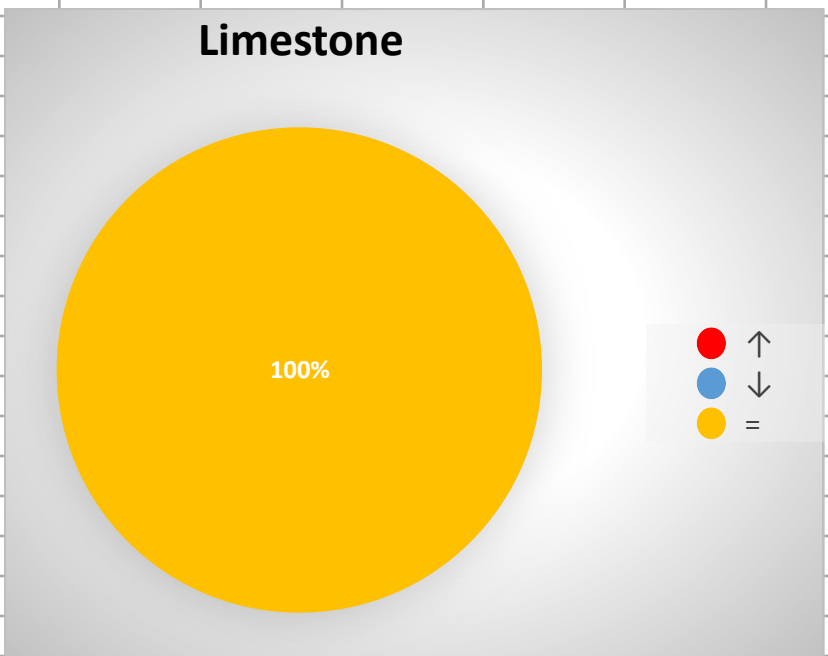
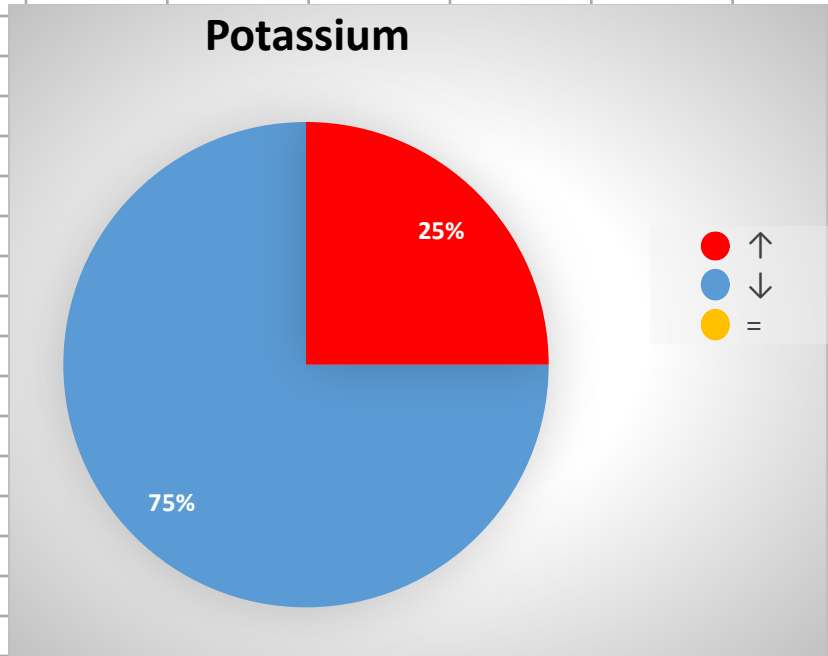
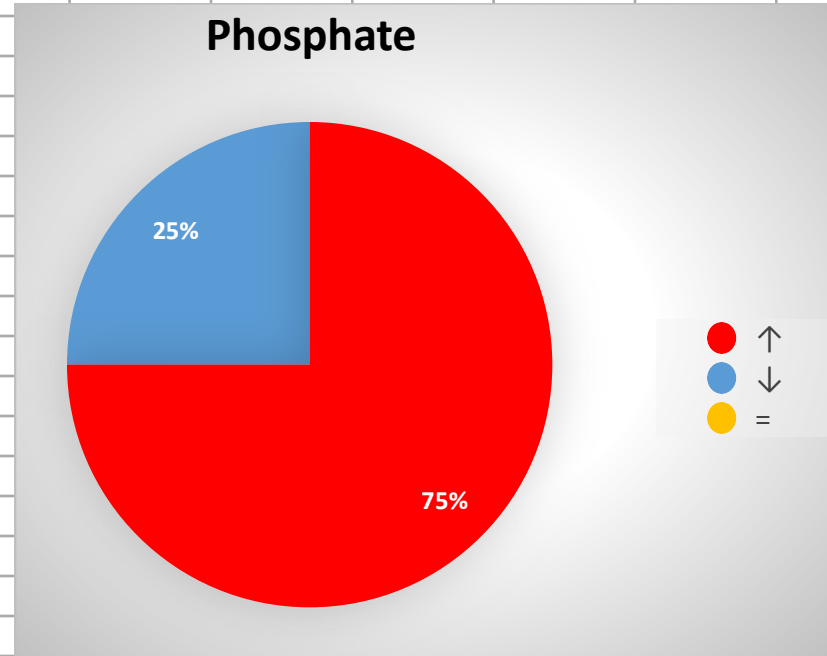
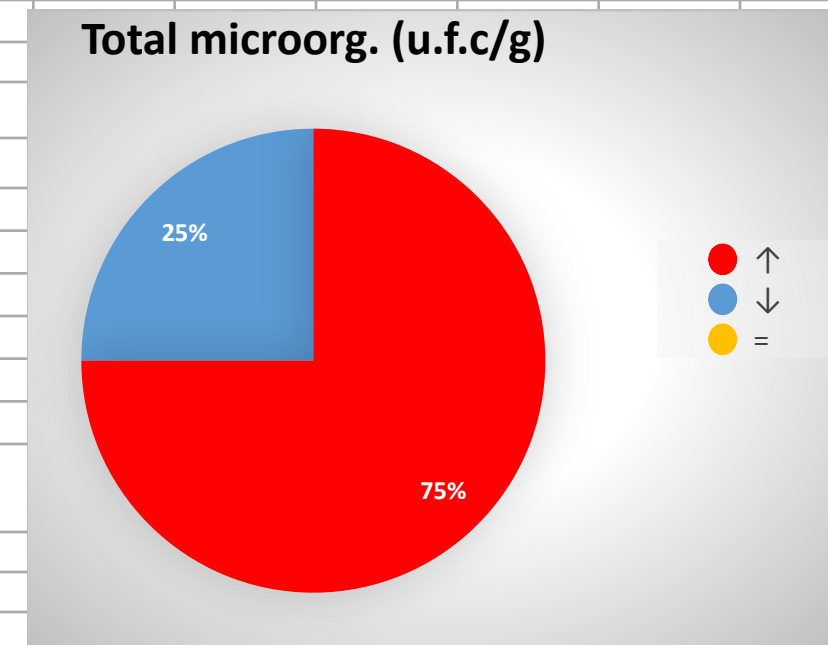
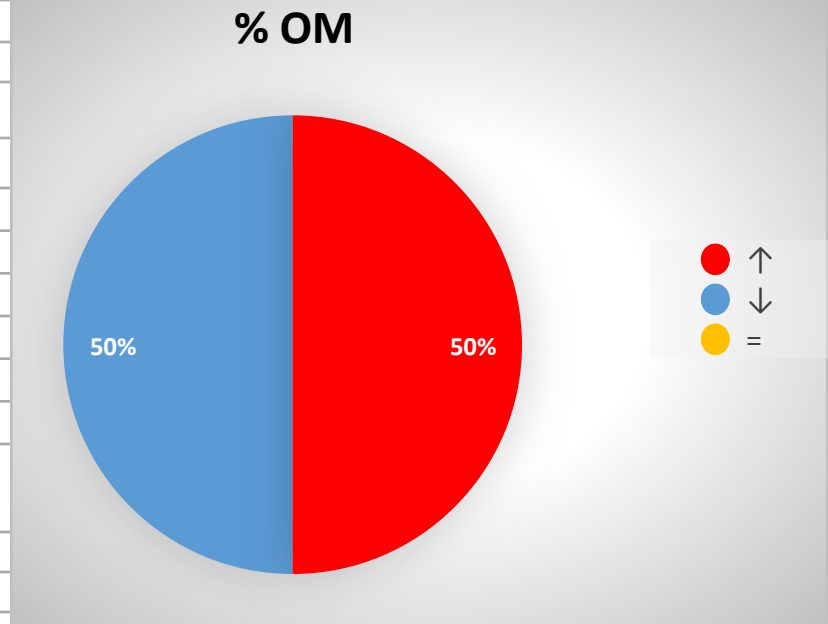
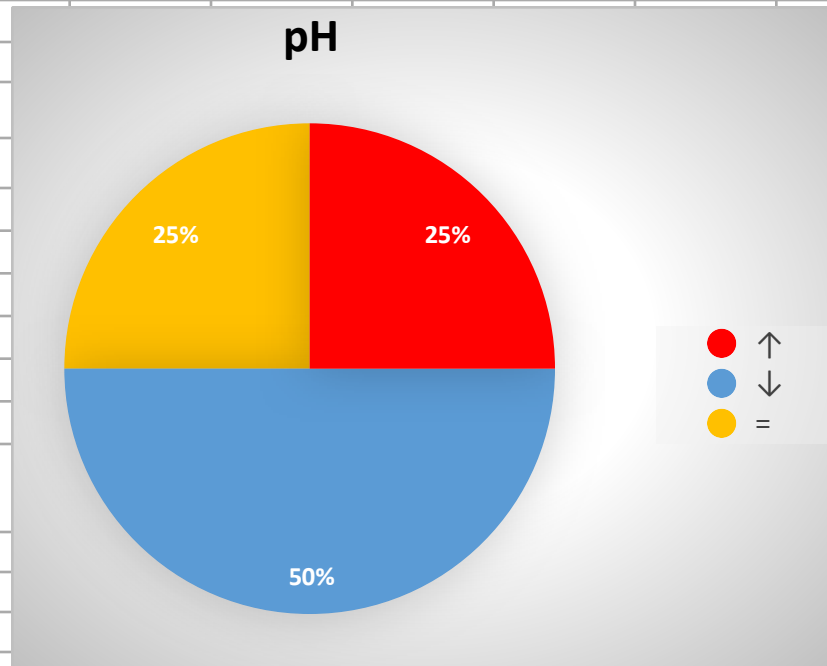
| Farmer | Parcel | Viable fruits Production (ton/há) | Improvement of the soil | | | | | | |
|------------------|--------|-----------------------------------|-------------------------|------|-----------------|-----------------|---------------|--------------------|---------------------------|
| | | | pH | % OM | Phosphate (ppm) | Potassium (ppm) | Limestone (%) | Total Nitrogen (%) | Total microorg. (u.f.c/g) |
| Armando Neto | A | < | ↑ | ↑ | ↑ | ↑ | = | ↑ | ↑ |
| Fernando Paulo | B | > | ↓ | ↑ | ↑ | ↓ | = | ↑ | ↑ |
| Fernando Rui | C | < | ↑ | ↓ | ↓ | ↓ | = | ↓ | ↑ |
| Irmãos Marcelino | D | > | = | ↑ | ↑ | ↓ | = | ↑ | ↑ |
| Nelson Modesto | E | > | ↓ | ↓ | ↓ | ↓ | = | ↓ | ↓ |
| Rui Vieira | F | > | ↑ | ↓ | ↑ | ↑ | = | ↓ | ↑ |

| Improvement of the soil | Total Production (ton/há) | | | | | |
|-------------------------|---------------------------|---|---|---|---|---|
| | > | | | < | | |
| | ↑ | ↓ | = | ↑ | ↓ | = |
| pH | 1 | 2 | 1 | 2 | 0 | 0 |
| % OM | 2 | 2 | 0 | 1 | 1 | 0 |
| Phosphate | 3 | 1 | 0 | 1 | 1 | 0 |
| Potassium | 1 | 3 | 0 | 1 | 1 | 0 |
| Limestone | 0 | 0 | 4 | 0 | 0 | 2 |
| Total Nitrogen | 2 | 2 | 0 | 1 | 1 | 0 |
| Total microorg. | 3 | 1 | 0 | 2 | 0 | 0 |



More Production

| Improvement of the soil | Total Production (ton/há) | | |
|---------------------------|---------------------------|---|---|
| | > | | |
| | ↑ | ↓ | = |
| pH | 1 | 2 | 1 |
| % OM | 2 | 2 | 0 |
| Phosphate | 3 | 1 | 0 |
| Potassium | 1 | 3 | 0 |
| Limestone | 0 | 0 | 4 |
| Total Nitrogen | 2 | 2 | 0 |
| Total microorg. (u.f.c/g) | 3 | 1 | 0 |



Lower Production

| Improvement of the soil | Total Production (ton/há) | | |
|---------------------------|---------------------------|---|---|
| | < | | |
| | ↑ | ↓ | = |
| pH | 2 | 0 | 0 |
| % OM | 1 | 1 | 0 |
| Phosphate | 1 | 1 | 0 |
| Potassium | 1 | 1 | 0 |
| Limestone | 0 | 0 | 2 |
| Total Nitrogen | 1 | 1 | 0 |
| Total microorg. (u.f.c/g) | 2 | 0 | 0 |

