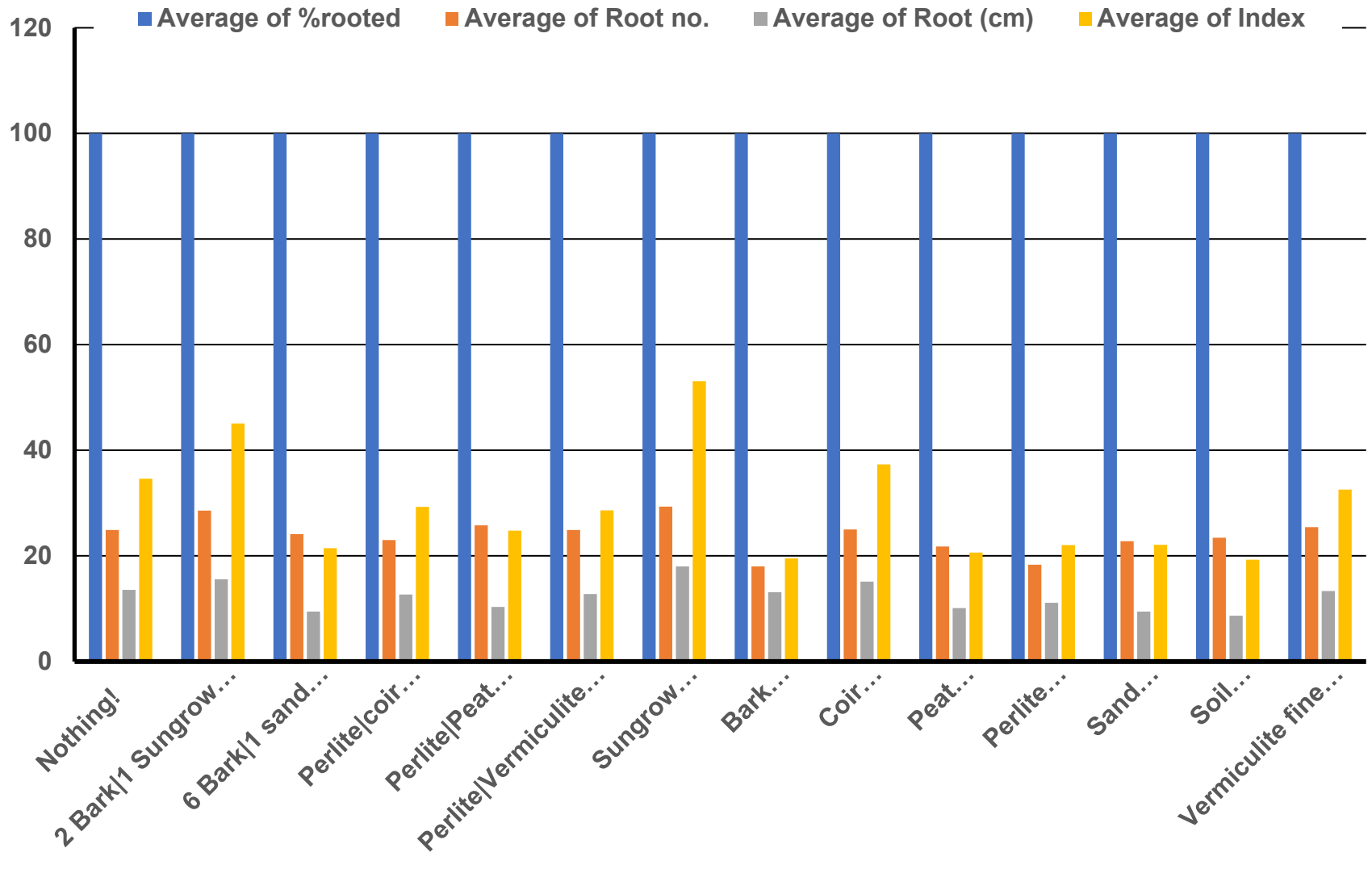


### Coleus stem cutting propagation



| Row Labels          | Average of Root no. | Average of Root (cm) | Average of Index |
|---------------------|---------------------|----------------------|------------------|
| Nothing!            | 25                  | 14                   | 35               |
| <b>Mix</b>          |                     |                      |                  |
| 2 Bark 1 Sungrow    | 29                  | 16                   | 45               |
| 6 Bark 1 sand       | 24                  | 9                    | 21               |
| Perlite coir        | 23                  | 13                   | 29               |
| Perlite Peat        | 26                  | 10                   | 25               |
| Perlite Vermiculite | 25                  | 13                   | 29               |
| Sungrow             | 29                  | 18                   | 53               |
| <b>Single</b>       |                     |                      |                  |
| Bark                | 18                  | 13                   | 20               |
| Coir                | 25                  | 15                   | 37               |
| Peat                | 22                  | 10                   | 21               |
| Perlite             | 18                  | 11                   | 22               |
| Sand                | 23                  | 9                    | 22               |
| Soil                | 23                  | 9                    | 19               |
| Vermiculite fine    | 25                  | 13                   | 33               |

| type   | cutting | substrate        | Root no. | Root (cm) | Index | %rooted |
|--------|---------|------------------|----------|-----------|-------|---------|
| Mix    | 1       | Perlite coir     | 9        | 9         | 8.1   | 100     |
| Mix    | 2       | Perlite coir     | 29       | 7         | 20.3  | 100     |
| Mix    | 3       | Perlite coir     | 27       | 10        | 27    | 100     |
| Mix    | 4       | Perlite coir     | 25       | 15        | 37.5  | 100     |
| Mix    | 5       | Perlite coir     | 10       | 21        | 21    | 100     |
| Mix    | 6       | Perlite coir     | 16       | 10        | 16    | 100     |
| Mix    | 7       | Perlite coir     | 43       | 16        | 68.8  | 100     |
| Mix    | 8       | Perlite coir     | 30       | 15        | 45    | 100     |
| Mix    | 9       | Perlite coir     | 18       | 11        | 19.8  | 100     |
| Mix    | 1       | 2 Bark 1 Sungrow | 17       | 12        | 20.4  | 100     |
| Mix    | 2       | 2 Bark 1 Sungrow | 42       | 16        | 67.2  | 100     |
| Mix    | 3       | 2 Bark 1 Sungrow | 24       | 15        | 36    | 100     |
| Mix    | 4       | 2 Bark 1 Sungrow | 35       | 14        | 49    | 100     |
| Mix    | 5       | 2 Bark 1 Sungrow | 15       | 18        | 27    | 100     |
| Mix    | 6       | 2 Bark 1 Sungrow | 22       | 10        | 22    | 100     |
| Mix    | 7       | 2 Bark 1 Sungrow | 33       | 15        | 49.5  | 100     |
| Mix    | 8       | 2 Bark 1 Sungrow | 38       | 15        | 57    | 100     |
| Mix    | 9       | 2 Bark 1 Sungrow | 31       | 25        | 77.5  | 100     |
| Single | 1       | Vermiculite fine | 7        | 12        | 8.4   | 100     |
| Single | 2       | Vermiculite fine | 36       | 8         | 28.8  | 100     |
| Single | 3       | Vermiculite fine | 24       | 22        | 52.8  | 100     |
| Single | 4       | Vermiculite fine | 37       | 15        | 55.5  | 100     |
| Single | 5       | Vermiculite fine | 11       | 22        | 24.2  | 100     |
| Single | 6       | Vermiculite fine | 24       | 5         | 12    | 100     |
| Single | 7       | Vermiculite fine | 19       | 10        | 19    | 100     |
| Single | 8       | Vermiculite fine | 33       | 13        | 42.9  | 100     |
| Single | 9       | Vermiculite fine | 38       | 13        | 49.4  | 100     |
| Single | 1       | Soil             | 7        | 8         | 5.6   | 100     |
| Single | 2       | Soil             | 32       | 7         | 22.4  | 100     |
| Single | 3       | Soil             | 31       | 10        | 31    | 100     |
| Single | 4       | Soil             | 41       | 9         | 36.9  | 100     |
| Single | 5       | Soil             | 10       | 18        | 18    | 100     |
| Single | 6       | Soil             | 18       | 6         | 10.8  | 100     |
| Single | 7       | Soil             | 16       | 2         | 3.2   | 100     |
| Single | 8       | Soil             | 36       | 6         | 21.6  | 100     |
| Single | 9       | Soil             | 20       | 12        | 24    | 100     |
| Mix    | 1       | Sungrow          | 9        | 14        | 12.6  | 100     |
| Mix    | 2       | Sungrow          | 37       | 14        | 51.8  | 100     |
| Mix    | 3       | Sungrow          | 29       | 23        | 66.7  | 100     |
| Mix    | 4       | Sungrow          | 32       | 18        | 57.6  | 100     |
| Mix    | 5       | Sungrow          | 10       | 23        | 23    | 100     |
| Mix    | 6       | Sungrow          | 29       | 15        | 43.5  | 100     |
| Mix    | 7       | Sungrow          | 30       | 13        | 39    | 100     |
| Mix    | 8       | Sungrow          | 46       | 18        | 82.8  | 100     |
| Mix    | 9       | Sungrow          | 42       | 24        | 100.8 | 100     |

|        |   |                     |    |    |      |     |
|--------|---|---------------------|----|----|------|-----|
| Mix    | 1 | Perlite Peat        | 10 | 10 | 10   | 100 |
| Mix    | 2 | Perlite Peat        | 32 | 9  | 28.8 | 100 |
| Mix    | 3 | Perlite Peat        | 36 | 9  | 32.4 | 100 |
| Mix    | 4 | Perlite Peat        | 43 | 10 | 43   | 100 |
| Mix    | 5 | Perlite Peat        | 13 | 20 | 26   | 100 |
| Mix    | 6 | Perlite Peat        | 16 | 12 | 19.2 | 100 |
| Mix    | 7 | Perlite Peat        | 28 | 5  | 14   | 100 |
| Mix    | 8 | Perlite Peat        | 22 | 8  | 17.6 | 100 |
| Mix    | 9 | Perlite Peat        | 32 | 10 | 32   | 100 |
| Mix    | 1 | 6 Bark 1 sand       | 17 | 8  | 13.6 | 100 |
| Mix    | 2 | 6 Bark 1 sand       | 17 | 11 | 18.7 | 100 |
| Mix    | 3 | 6 Bark 1 sand       | 23 | 10 | 23   | 100 |
| Mix    | 4 | 6 Bark 1 sand       | 39 | 7  | 27.3 | 100 |
| Mix    | 5 | 6 Bark 1 sand       | 8  | 16 | 12.8 | 100 |
| Mix    | 6 | 6 Bark 1 sand       | 21 | 6  | 12.6 | 100 |
| Mix    | 7 | 6 Bark 1 sand       | 23 | 7  | 16.1 | 100 |
| Mix    | 8 | 6 Bark 1 sand       | 35 | 10 | 35   | 100 |
| Mix    | 9 | 6 Bark 1 sand       | 34 | 10 | 34   | 100 |
| single | 1 | Bark                | 6  | 8  | 4.8  | 100 |
| single | 2 | Bark                | 23 | 14 | 32.2 | 100 |
| single | 3 | Bark                | 20 | 9  | 18   | 100 |
| single | 4 | Bark                | 30 | 7  | 21   | 100 |
| single | 5 | Bark                | 7  | 41 | 28.7 | 100 |
| single | 6 | Bark                | 28 | 9  | 25.2 | 100 |
| single | 7 | Bark                | 18 | 5  | 9    | 100 |
| single | 8 | Bark                | 17 | 11 | 18.7 | 100 |
| single | 9 | Bark                | 13 | 14 | 18.2 | 100 |
| single | 1 | Sand                | 4  | 10 | 4    | 100 |
| single | 2 | Sand                | 22 | 9  | 19.8 | 100 |
| single | 3 | Sand                | 24 | 7  | 16.8 | 100 |
| single | 4 | Sand                | 48 | 10 | 48   | 100 |
| single | 5 | Sand                | 11 | 13 | 14.3 | 100 |
| single | 6 | Sand                | 16 | 7  | 11.2 | 100 |
| single | 7 | Sand                | 47 | 12 | 56.4 | 100 |
| single | 8 | Sand                | 16 | 7  | 11.2 | 100 |
| single | 9 | Sand                | 17 | 10 | 17   | 100 |
| Mix    | 1 | Perlite Vermiculite | 10 | 10 | 10   | 100 |
| Mix    | 2 | Perlite Vermiculite | 35 | 10 | 35   | 100 |
| Mix    | 3 | Perlite Vermiculite | 33 | 12 | 39.6 | 100 |
| Mix    | 4 | Perlite Vermiculite | 21 | 8  | 16.8 | 100 |
| Mix    | 5 | Perlite Vermiculite | 10 | 28 | 28   | 100 |
| Mix    | 6 | Perlite Vermiculite | 25 | 13 | 32.5 | 100 |
| Mix    | 7 | Perlite Vermiculite | 35 | 7  | 24.5 | 100 |
| Mix    | 8 | Perlite Vermiculite | 31 | 9  | 27.9 | 100 |
| Mix    | 9 | Perlite Vermiculite | 24 | 18 | 43.2 | 100 |
| Single | 1 | Coir                | 9  | 10 | 9    | 100 |

|        |   |          |    |    |      |     |
|--------|---|----------|----|----|------|-----|
| Single | 2 | Coir     | 33 | 13 | 42.9 | 100 |
| Single | 3 | Coir     | 32 | 16 | 51.2 | 100 |
| Single | 4 | Coir     | 24 | 11 | 26.4 | 100 |
| Single | 5 | Coir     | 9  | 21 | 18.9 | 100 |
| Single | 6 | Coir     | 17 | 18 | 30.6 | 100 |
| Single | 7 | Coir     | 35 | 16 | 56   | 100 |
| Single | 8 | Coir     | 47 | 15 | 70.5 | 100 |
| Single | 9 | Coir     | 19 | 16 | 30.4 | 100 |
| Single | 1 | Perlite  | 10 | 8  | 8    | 100 |
| Single | 2 | Perlite  | 22 | 9  | 19.8 | 100 |
| Single | 3 | Perlite  | 12 | 15 | 18   | 100 |
| Single | 4 | Perlite  | 16 | 12 | 19.2 | 100 |
| Single | 5 | Perlite  | 9  | 11 | 9.9  | 100 |
| Single | 6 | Perlite  | 13 | 10 | 13   | 100 |
| Single | 7 | Perlite  | 14 | 5  | 7    | 100 |
| Single | 8 | Perlite  | 38 | 15 | 57   | 100 |
| Single | 9 | Perlite  | 31 | 15 | 46.5 | 100 |
| Single | 1 | Peat     | 15 | 7  | 10.5 | 100 |
| Single | 2 | Peat     | 25 | 8  | 20   | 100 |
| Single | 3 | Peat     | 18 | 9  | 16.2 | 100 |
| Single | 4 | Peat     | 46 | 10 | 46   | 100 |
| Single | 5 | Peat     | 7  | 20 | 14   | 100 |
| Single | 6 | Peat     | 16 | 11 | 17.6 | 100 |
| Single | 7 | Peat     | 30 | 8  | 24   | 100 |
| Single | 8 | Peat     | 9  | 8  | 7.2  | 100 |
| Single | 9 | Peat     | 30 | 10 | 30   | 100 |
|        | 1 | Nothing! | 17 | 20 | 34   | 100 |
|        | 2 | Nothing! | 54 | 12 | 64.8 | 100 |
|        | 3 | Nothing! | 11 | 10 | 11   | 100 |
|        | 4 | Nothing! | 40 | 15 | 60   | 100 |
|        | 5 | Nothing! | 14 | 14 | 19.6 | 100 |
|        | 6 | Nothing! | 9  | 8  | 7.2  | 100 |
|        | 7 | Nothing! | 13 | 10 | 13   | 100 |
|        | 8 | Nothing! | 43 | 13 | 55.9 | 100 |
|        | 9 | Nothing! | 23 | 20 | 46   | 100 |