CASE 1: Lectin was tested on radish roots.

|  |  |  |
| --- | --- | --- |
| GROUP | CONTROL | LECTIN TREATED |
| INTERPHASE | 109 | 115 |
| MITOTIC | 41 | 35 |
| TOTAL | 150 | 150 |

Data:

CALCULATE %

|  |  |  |
| --- | --- | --- |
|  | CONTROL | TREATED |
| INTERPHASE |  |  |
| MITOTIC |  |  |
| TOTAL |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  LECTIN | observed | expected  | o-e | (o-e)^2 | [(o-e)^2]/e |
| Interphase |  |  |  |  |  |
| Mitosis |  |  |  |  |  |
| total cells | 150 | 150 | Chi-square= Sum[(o-e)2]/e |  |

Degrees of freedom = \_\_\_\_\_\_\_\_\_\_\_

Critical value = \_\_\_\_\_\_\_\_\_\_\_

CONCLUSION:

CASE 2: Lectin was tested on corn roots.

|  |  |  |
| --- | --- | --- |
| GROUP | CONTROL | LECTIN TREATED |
| INTERPHASE | 109 | 122 |
| MITOTIC | 41 | 28 |
| TOTAL | 150 | 150 |

Data:

CALCULATE %

|  |  |  |
| --- | --- | --- |
|  | CONTROL | TREATED |
| INTERPHASE |  |  |
| MITOTIC |  |  |
| TOTAL |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  LECTIN | observed | expected  | o-e | (o-e)^2 | [(o-e)^2]/e |
| Interphase |  |  |  |  |  |
| Mitosis |  |  |  |  |  |
| total cells | 150 | 150 | Chi-square= Sum[(o-e)2]/e |  |

Degrees of freedom = \_\_\_\_\_\_\_\_\_\_\_

Critical value = \_\_\_\_\_\_\_\_\_\_\_

CONCLUSION: