iii) 
$$T_0 + \epsilon \left( SS = \sum_{i=1}^{2} - \frac{T_i}{n} \right)$$

$$SSB = \sum_{n} \frac{(T_i)^2}{n!} - \frac{(T_i)^2}{n!}$$

ii) Correction Factor: 
$$(7)$$
:  $60x66$ 

$$\begin{aligned}
&= \left[ \left( 6 \right)^{2} + \left( 7 \right)^{2} + \left( 3 \right)^{2} - \left( 8 \right)^{2} \\
&+ \left( 5 \right)^{2} + \left( 7 \right)^{2} + \left( 3 \right)^{2} - \left( 8 \right)^{2} \\
&+ \left( 5 \right)^{2} + \left( 5 \right)^{2} + \left( 7 \right)^{2} + \left( 7 \right)^{2} \\
&+ \left( 5 \right)^{2} + \left( 7 \right)^{2} + \left( 7 \right)^{2} \\
&- \left( \frac{60 \times 60}{12} \right) \\
&= 57 - 300 = 32
\end{aligned}$$

$$352 - 300 = 32$$

$$3532 - 300 = 32$$

$$3532 - 300 = 32$$

J fortilizers. -> One Observation for cell! -s take the total of obs in Il samples & call it 7. -> Correction factor 5 (+) h - 」 いけ = これ; - (す)な -> SSB (alumns -> 22B rous -s 55 A residual (Error Visiance) - SST - SSB\_ - SSBR -> Degrees of freedom: LD-F for total variance = (c.r-1) LSD-F for variance blu als = (2-1) Lo D-F for variance blu rous = (r-1) L> 1)-F for residud variance = (c-1)(-1)

L> 1)-F for residud variance = (C-1)(r-1) -s ANOVA Puble (2-Way):

|          |   | J          |               |                      |
|----------|---|------------|---------------|----------------------|
| Source   | \   | 0-F        | MS            | F-Retio              |
| Blw      | Σ (T;) - (T)2   | (61)       | (c-1)<br>278< | MSB <sub>2</sub> MSR |
| מאני     | Σ (T <sub>i</sub> ) - (τ) -   | (r-1)      | (r-1)         | MS BR                |
|          |   | (c-1/2r-1) | <u> </u>      |                      |
|          | $\sum_{j} \sum_{j} \sum_{j$ | _          | · , ,         |                      |
| 1) Hoc : | The varieties   | of first   | fector        | have                 |

the same effect.

Hie the varieties of first fector are significantly different

i) Has the varieties of second factor have the same effect.

HIR: the variety of second factor are significantly different -

significantly different --s Numrical: Unid of Seeds Widy & Futi 5 i) T= 00 in=(2 ii) (sprection factor =  $\left(\frac{60\times6^{\circ}}{12}\right) = 310$  $(ii) \quad SLT = \sum_{i} (7)^{i}$ = (36+25+65+3+3+5+5 + (4-145+16) - (10×10) 18) SSBC - [24x25 + 20x20 + 16x66] - [60x60] = 308-300 = 8

|     | 1.6 147 | J.JUJ2 | 2.2222 | 2., 50, | 2.000  | 2.1201 | 2.1017 | 2.0012 | 2.2021 | ۷.۲.۷۷ | 2.1010 | 2.0000 | 2.0075 | 1.50 15 | 1.7176 | 1.07.10 | 1.0211 | 1.,001 | 1./ 11 |
|-----|---------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| 26  | 4.2252  | 3.369  | 2.9752 | 2.7426  | 2.5868 | 2.4741 | 2.3883 | 2.3205 | 2.2655 | 2.2197 | 2.1479 | 2.0716 | 1.9898 | 1.9464  | 1.901  | 1.8533  | 1.8027 | 1.7488 | 1.6906 |
| 27  | 4.21    | 3.3541 | 2.9604 | 2.7278  | 2.5719 | 2.4591 | 2.3732 | 2.3053 | 2.2501 | 2.2043 | 2.1323 | 2.0558 | 1.9736 | 1.9299  | 1.8842 | 1.8361  | 1.7851 | 1.7306 | 1.6717 |
| 28  | 4.196   | 3.3404 | 2.9467 | 2.7141  | 2.5581 | 2.4453 | 2.3593 | 2.2913 | 2.236  | 2.19   | 2.1179 | 2.0411 | 1.9586 | 1.9147  | 1.8687 | 1.8203  | 1.7689 | 1.7138 | 1.6541 |
| 29  | 4.183   | 3.3277 | 2.934  | 2.7014  | 2.5454 | 2.4324 | 2.3463 | 2.2783 | 2.2229 | 2.1768 | 2.1045 | 2.0275 | 1.9446 | 1.9005  | 1.8543 | 1.8055  | 1.7537 | 1.6981 | 1.6376 |
| 30  | 4.1709  | 3.3158 | 2.9223 | 2.6896  | 2.5336 | 2.4205 | 2.3343 | 2.2662 | 2.2107 | 2.1646 | 2.0921 | 2.0148 | 1.9317 | 1.8874  | 1.8409 | 1.7918  | 1.7396 | 1.6835 | 1.6223 |
| 40  | 4.0847  | 3.2317 | 2.8387 | 2.606   | 2.4495 | 2.3359 | 2.249  | 2.1802 | 2.124  | 2.0772 | 2.0035 | 1.9245 | 1.8389 | 1.7929  | 1.7444 | 1.6928  | 1.6373 | 1.5766 | 1.5089 |
| 60  | 4.0012  | 3.1504 | 2.7581 | 2.5252  | 2.3683 | 2.2541 | 2.1665 | 2.097  | 2.0401 | 1.9926 | 1.9174 | 1.8364 | 1.748  | 1.7001  | 1.6491 | 1.5943  | 1.5343 | 1.4673 | 1.3893 |
| 120 | 3.9201  | 3.0718 | 2.6802 | 2.4472  | 2.2899 | 2.175  | 2.0868 | 2.0164 | 1.9588 | 1.9105 | 1.8337 | 1.7505 | 1.6587 | 1.6084  | 1.5543 | 1.4952  | 1.429  | 1.3519 | 1.2539 |
| Inf | 3.8415  | 2.9957 | 2.6049 | 2.3719  | 2.2141 | 2.0986 | 2.0096 | 1.9384 | 1.8799 | 1.8307 | 1.7522 | 1.6664 | 1.5705 | 1.5173  | 1.4591 | 1.394   | 1.318  | 1.2214 | 1      |

14.76

14.76

15 Aejeded.