**Equivalent yields of sorghum and sunflower in Long term fert experiment 2015-16**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Treatment | **Sorghum yield (kg/ha)** | **Sunflower seed yield (kg/ha)** | **System Sunflower eq yield (a)** | **System sunflower eq yield (b)** | **System sorghu eq yield (a)** | **System sorghum eq yield (b)** |
| 1 | 2515 | 653 | 1306 | 1659 | 5030 | 4128 |
| 2 | 3679 | 1024 | 2048 | 2496 | 7358 | 6208 |
| 3 | 4189 | 963 | 1926 | 2639 | 8378 | 6568 |
| 4 | 2827 | 1148 | 2296 | 2279 | 5654 | 5663 |
| 5 | 4454 | 1069 | 2138 | 2851 | 8908 | 7094 |
| 6 | 4131 | 1179 | 2358 | 2831 | 8262 | 7043 |
| 7 | 3893 | 1084 | 2168 | 2641 | 7786 | 6570 |
| 8 | 3951 | 1225 | 2450 | 2805 | 7902 | 6977 |
| 9 | 3983 | 1243 | 2486 | 2836 | 7966 | 7053 |
| 10 | 3563 | 962 | 1924 | 2387 | 7126 | 5939 |
| 11 | 3587 | 1244 | 2488 | 2679 | 7174 | 6660 |
| 12 | 1856 | 705 | 1410 | 1447 | 3712 | 3597 |
| Mean | 3552 | 1042 | 2084 | 2463 | 7104 | 6126 |
| a) = equivalent yield basis b) = equivalent price basis |
| MSP Sorghum (Rs/q)  | 1500 | Sorghum/ sunflower | 0.4 |  |  |
| MSP Sunflower (Rs/q)  | 3750 | Sunflower/sorghum | 2.47 |  |  |

**Economics of sorghum and sunflower in Long term fert experiment 2015-16**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment | **Gross returns: sorghum**  | **gross returns: sunflower** | **system sunfl eq yield** | **system gross returns sunf eq yield** | **Cost of cultivation of sunflower** | **system cost of cultivation = 2crops of sunflower** | **system net returns** | **system B:C ratio** |
| 1 | 37725 | 24488 | 1659 | 62213 | 10806 | 21612 | 40601 | 2.88 |
| 2 | 55185 | 38400 | 2496 | 93585 | 12720 | 25440 | 68145 | 3.68 |
| 3 | 62835 | 36113 | 2639 | 98948 | 13160 | 26320 | 72628 | 3.76 |
| 4 | 42405 | 43050 | 2279 | 85455 | 11345 | 22690 | 62765 | 3.77 |
| 5 | 66810 | 40088 | 2851 | 106898 | 15236 | 30472 | 76426 | 3.51 |
| 6 | 61965 | 44213 | 2831 | 106178 | 12820 | 25640 | 80538 | 4.14 |
| 7 | 58395 | 40650 | 2641 | 99045 | 13910 | 27820 | 71225 | 3.56 |
| 8 | 59265 | 45938 | 2805 | 105203 | 13410 | 26820 | 78383 | 3.92 |
| 9 | 59745 | 46613 | 2836 | 106358 | 13510 | 27020 | 79338 | 3.94 |
| 10 | 53445 | 36075 | 2387 | 89520 | 13473 | 26946 | 62574 | 3.32 |
| 11 | 53805 | 46650 | 2679 | 100455 | 14072 | 28144 | 72311 | 3.57 |
| 12 | 27840 | 26438 | 1447 | 54278 | 10309 | 20618 | 33660 | 2.63 |
| Mean | 53280 | 39075 |  |  |  |  |  |  |