**Mpangilio wa Shamba darasa ya Soybeans – 2021**

**11.5 m**

2.5m

2.5 m

2.5 m

2.5m

13m

2.5m

2.5m

2.5m

2.5m

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Aina*: Kienyeji**  **Nafasi 40sm X 10sm**  **Mbegu 1 kwa shimo**  ***Hakuna Mbolea***  ***Weka inokulanti***  ***1*** | **1.0 m Uwazi** | ***Aina*: Spike**  **Nafasi 40sm X10sm**  **Mbegu 1 kwa shimo**  ***Hakuna Mbolea***  ***Weka inokulanti***  ***2*** | **1.0 m Uwazi** | ***Aina*: Uyole 04**  **Nafasi 40sm X 10sm**  **Mbegu 1 kwa shimo**  ***Hakuna Mbolea***  ***Weka inokulanti***  ***3*** | **1.0 m Uwazi** | ***Aina*: MAKSOY 6N**  **Nafasi 40sm X 10sm**  **Mbegu 1 kwa shimo**  ***Hakuna Mbolea***  ***Weka inokulanti***  ***4*** |
| **0.5m – Uwazi** | **0.5m – Uwazi** | **0.5m – Uwazi** | **0.5m – Uwazi** |
| ***Aina*: Uyole 04**  **Nafasi 40sm x 10sm**  **Mbegu 1 kwa shimo**  **Weka DAP**  **Hakuna inokulanti**  **5** | ***Aina*: MAKSOY 6N**  **Nafasi 40sm x 10sm**  **Mbegu 1 kwa shimo**  **Weka DAP**  **Hakuna inokulanti**  **6** | ***Aina*: Kienyeji**  **Nafasi 40m x 10m**  **Mbegu 1 kwa shimo**  **Weka DAP**  **Hakuna inokulanti**  **7** | ***Aina*: Spike**  **Nafasi 40sm x 10sm**  **Mbegu 1 kwa shimo**  **Weka DAP**  **Hakuna inokulanti**  **8** |
| **0.5m – Uwazi** | **0.5m – Uwazi** | **0.5m – Uwazi** | **0.5m – Uwazi** |
| ***Aina*: Kienyeji**  **Nafasi 40sm X 10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Weka inokulanti***  ***9*** | ***Aina*: Spike**  **Nafasi 40sm X10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Weka inokulanti***  ***10*** | ***Aina*: Uyole 04**  **Nafasi 40sm X 10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Weka inokulanti***  ***11*** | ***Aina*: MAKSOY 6N**  **Nafasi 40sm X 10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Weka inokulanti***  ***12*** |
| **0.5m – Uwazi** | **0.5m – Uwazi** | **0.5m – Uwazi** | **0.5m – Uwazi** |
| ***Aina*: Uyole 04**  **Nafasi 40sm x 10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Hakuna inokulanti***  ***13*** | ***Aina*: MAKSOY 6N**  **Nafasi 40sm x 10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Hakuna inokulanti***  **14** | ***Aina*: Kienyeji**  **Nafasi 40m x 10m**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Hakuna inokulanti***  **15** | ***Aina*: Spike**  **Nafasi 40sm x 10sm**  **Mbegu 1 kwa shimo**  ***Weka NPK***  ***Hakuna inokulanti***  **16** |

**Angalizo**

1. Panda soya ukiwa na uhakika wa unyevu wa kutosha
2. Zingatia vipimo na Mpangilio wa shamba darasa
3. Changanya inokulanti vizuri kwa kuzingatia Maelezo
4. Kila aina ya mbegu inahitajika gramu 150
5. Kila aina ya Mbolea hakikisha unapata nusu kilo (1/2kg)

Data collections

|  |  |  |
| --- | --- | --- |
| Character | Sifa | Remarks |
| Aina ya demo | Demo type | WAEO or Lead Farmer |
| Take photo of your demo | Piga picha ya demo |  |
| Which plot (s) is visionary the best | Ni sub plot ipi/zipi nzuri kwa kuangalia kwa macho | Eg. Spike + NPK + inoculant  Or Spike + DAP +Innoculant > Spike + NPK + inoculant |
| Which variety is disease resistant? | Ni mbegu gani inastahimili magonjwa? | Mention |
| Which variety was more susceptible to diseases? | Ni aina gani ya mbegu ilionekana kushambuliwa zaidi na magonjwa? |  |
| Which disease seem to be dominant in soybeans | Ni Ugonjwa gani ulionekana kuathiri kwa wingi zao la soya? | Eg : Rust , Common blight, powdery mildew etc. |
| Which variety was more susceptible to insects’ pest? | Ni aina gani ya mbegu ilionekana kushambuliwa zaidi na wadudu? |  |
| Which pest (insect) seem to be dominant in soybeans | Ni wadudu gani walionekana kuathiri kwa wingi zao la soya? |  |
| Which variety matured early than the other | Aina gani ya mbegu ilionesha kukomaa mapema? |  |
| Arrange the variety according to maturity time (The earliest maturing coming the first) | Pangilia aina za mbegu kulingana na muda wa ukomaaji (Mbegu inayokomaa mapema ikiwa mwanzoni mwa mtiririko) |  |
| Is your demo ready for harvest? | Demo yako ipo tayari kwa kuvuna? |  |
| What is the plant population per sub plot | Je idadi ya mimea ni ngapi kwa kila ki sub plot |  |
| What is the average number of pods per plant in a sub plot | Idadi ya mufuko ya Maharage ya soya kwenye sub plot |  |
| Harvest portion by portion and measure the weight of each portion | Vuna kila sub plot peke yake na kisha pima uzito wa soya kutoka kila sub plot |  |
| Fill the weight of each sub plot per number as in layout (Kilimba advice here – I think we should go for gram rather than Kg as some will not reach Kg) | Jaza kila uzito peke yake kama namba zilivyo kwenye mchoro | Eg 1 – 2.5 |
| hat variety is of you and farmers shows to prefer? | Ni aina gani ya mbegu wewe na wakulima wametokea kuipenda? |  |
| State the reason for your variety preference? | Taja Sababu za kuipenda aina hiyo |  |
| What combination of treatment is of your choice? | Ni aina gani ya muuganiko uliyoipenda? | Eg Spike + NPK + Bila inokulanti |
| Mention reason for your choice | Taja sabau za kupenda |  |

Kilimba tuanzie hapo

See how you can make it better so that we get a form in Kobo

NB: Number 1 – 16 in the sub plots can help in answering some questions effectively so I propose that you send this layout with numbers to DFPs so that they can print out and use it when the data is being collected and filled in the Kobo form effectively