



SHIV GANGA HYBRID SEEDS PVT. LTD.

RAM BHAVAN, OPPOSITE SUSHILA BHAVAN, BALSAMAND ROAD, HISAR-125001 (HARYANA)

PHONE NO. 70159-27772.

SSG SORGHUM (SORGHUM BICOLOR)

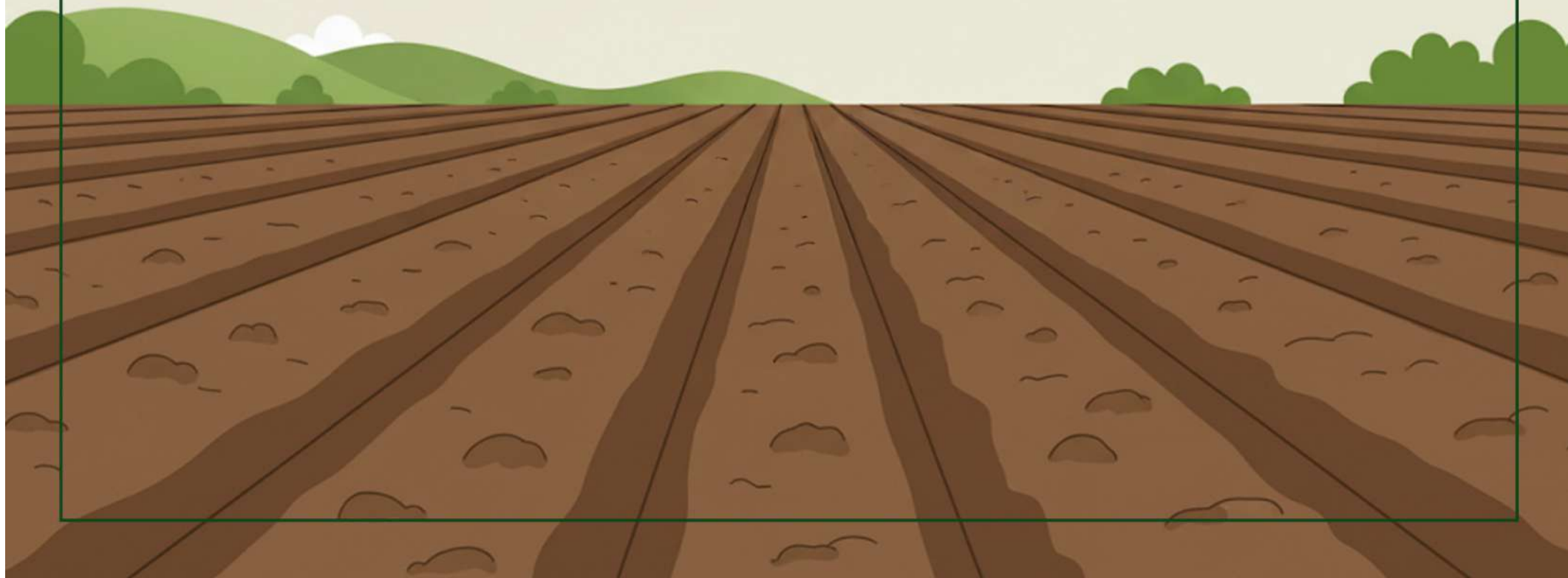
SORGHUM IS AN EXCELLENT CROP FOR GRAIN AND ANIMAL FODDER. FODDER SORGHUM IS ALSO OF TWO TYPES: SINGLE-CUT AND MULTI-CUT, AND BELONGS TO THE SSG (SORGHUM SUDAN GRASS) GROUP. SORGHUM IS A KHARIF CROP THAT PROVIDES GREEN, TASTY FODDER FOR A LONGER PERIOD COMPARED TO MAIZE AND PEARL MILLET (BAJRA).





LAND SELECTION :-

THE SORGHUM CROP CAN BE GROWN IN ALMOST ALL TYPES OF SOILS, BUT CLAY AND CLAY LOAM SOILS ARE EXCELLENT. HOWEVER, ADEQUATE DRAINAGE IS ESSENTIAL.





LAND PREPARATION :-

FOR SORGHUM, PREPARE THE LAND BY PLOWING ONCE WITH A SOIL-TURNING PLOW, FOLLOWED BY 2 TILLINGS WITH A DISC HARROW, AND THEN LEVEL IT WITH A PLANK.





VARIETIES :-

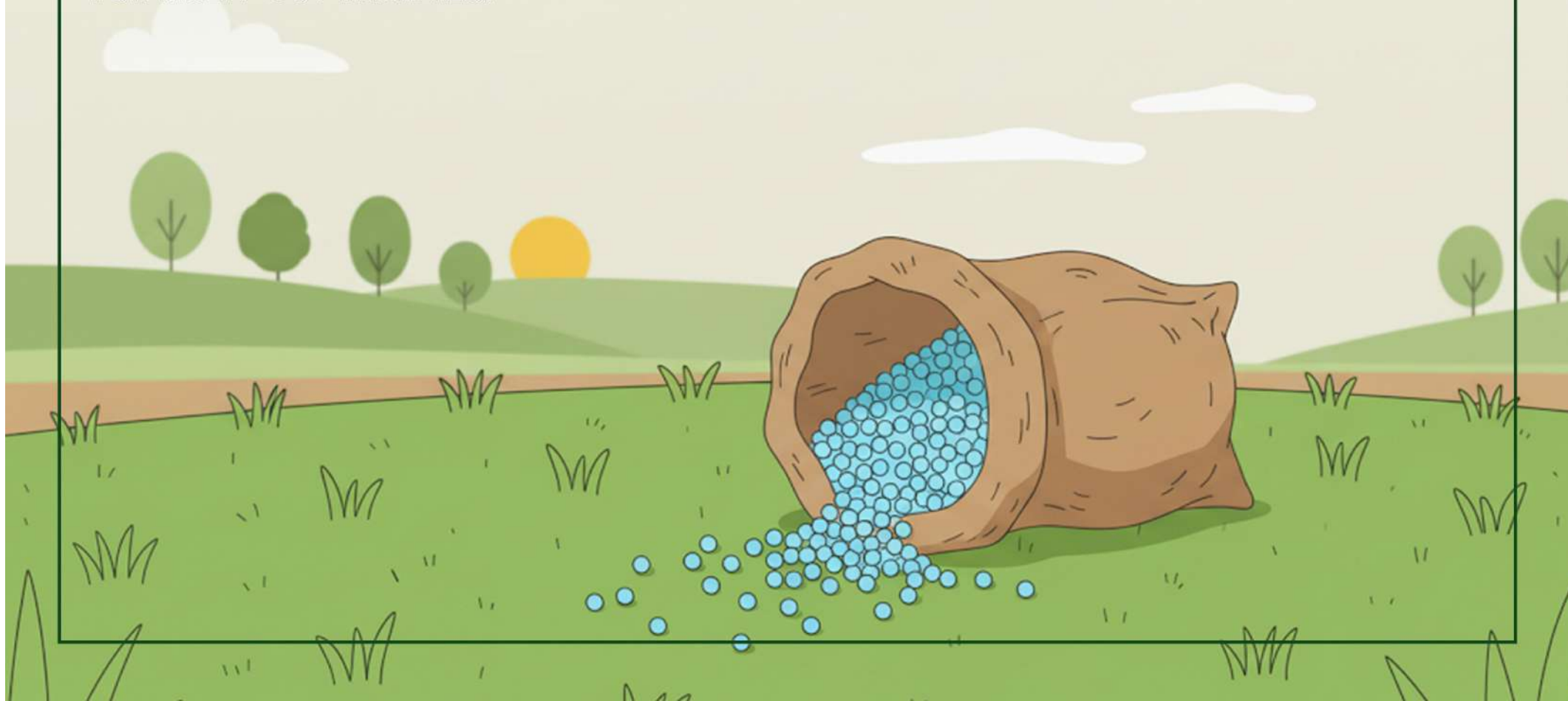
**HARYANA CHARI-1, HARYANA CHARI-171, HC-308, SWEET SUDAN GRASS 59-3, S.L.-44,
PUNJAB SUDEX CHARI NO. 1, SSG WHITE, SSG RED, GREEN DISCOVER, MIRAGE-2019.**





SEED QUANTITY :-

25-30 KG OF SEED IS SUFFICIENT FOR SINGLE-CUT SORGHUM VARIETIES AND 20-25 KG FOR MULTI-CUT VARIETIES.





SOWING TIME :-

FOR EARLY SOWING OF MULTICUT VARIETIES, THE MONTH OF MARCH IS SUITABLE, AND FOR TIMELY SOWING, MID-JUNE TO MID-JULY IS THE BEST TIME.





SEED TREATMENT :-

JUST BEFORE SOWING, TREAT THE SEEDS WITH EMISAN (PMA) AT 2.5 GRAMS PER KG AND THEN SOW.





SOWING METHOD :-

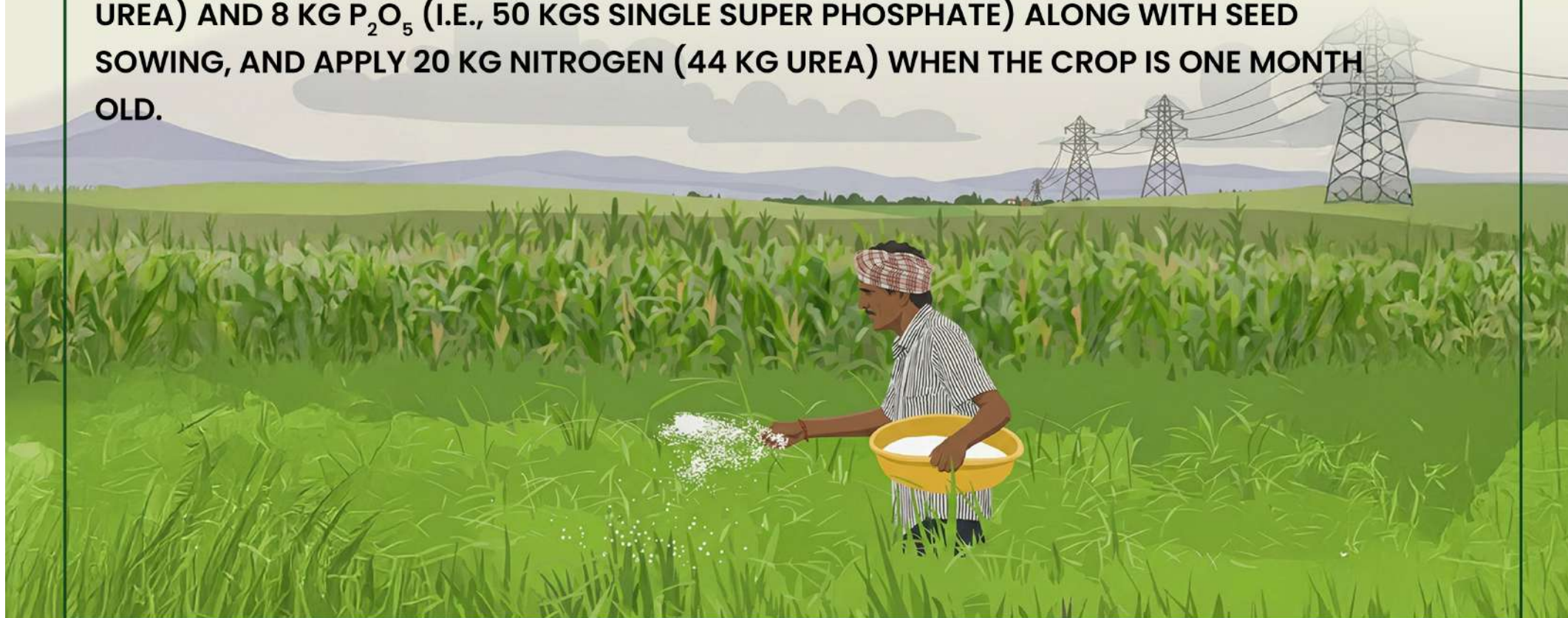
DO NOT SOW SORGHUM SEEDS BY BROADCASTING. SOW USING KERA, PORA, OR A SEED DRILL, KEEPING A ROW-TO-ROW DISTANCE OF 22-25 CM SO THAT WEEDING AND HOEING CAN BE DONE EASILY.





MANURE AND FERTILIZER QUANTITY :-

APPLY THE QUANTITY OF FERTILIZERS OR OTHER MICRONUTRIENTS BASED ON THE SOIL HEALTH CARD. IF THE SOIL HAS NOT BEEN TESTED, APPLY 25 KG NITROGEN (I.E., 44 KG UREA) AND 8 KG P_2O_5 (I.E., 50 KGS SINGLE SUPER PHOSPHATE) ALONG WITH SEED SOWING, AND APPLY 20 KG NITROGEN (44 KG UREA) WHEN THE CROP IS ONE MONTH OLD.



IRRIGATION :-

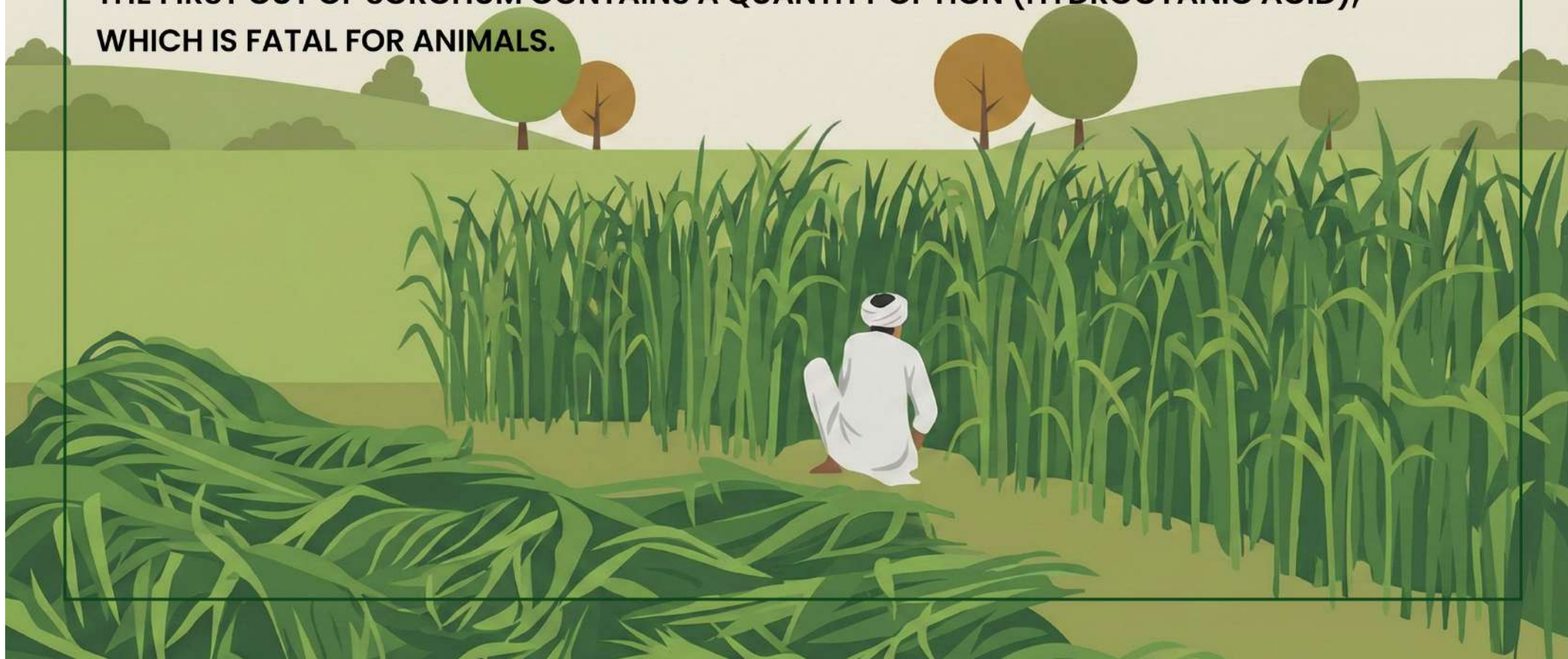
FOR MARCH/APRIL SOWING, PROVIDE ONE OR TWO IRRIGATIONS, AND FOR MONSOON SOWING, IRRIGATE ACCORDING TO THE RAINFALL. IN CASE OF HEAVY RAINFALL, IT IS ESSENTIAL TO DRAIN OUT THE EXCESS WATER IMMEDIATELY.





HARVESTING :-

HARVEST MULTICUT SORGHUM AFTER 25-30 DAYS AND SINGLE-CUT SORGHUM IN 65-80 DAYS. CAUTION: FOR RAINY SEASON SORGHUM, HARVEST AFTER THE FIRST RAIN BECAUSE THE FIRST CUT OF SORGHUM CONTAINS A QUANTITY OF HCN (HYDROCYANIC ACID), WHICH IS FATAL FOR ANIMALS.

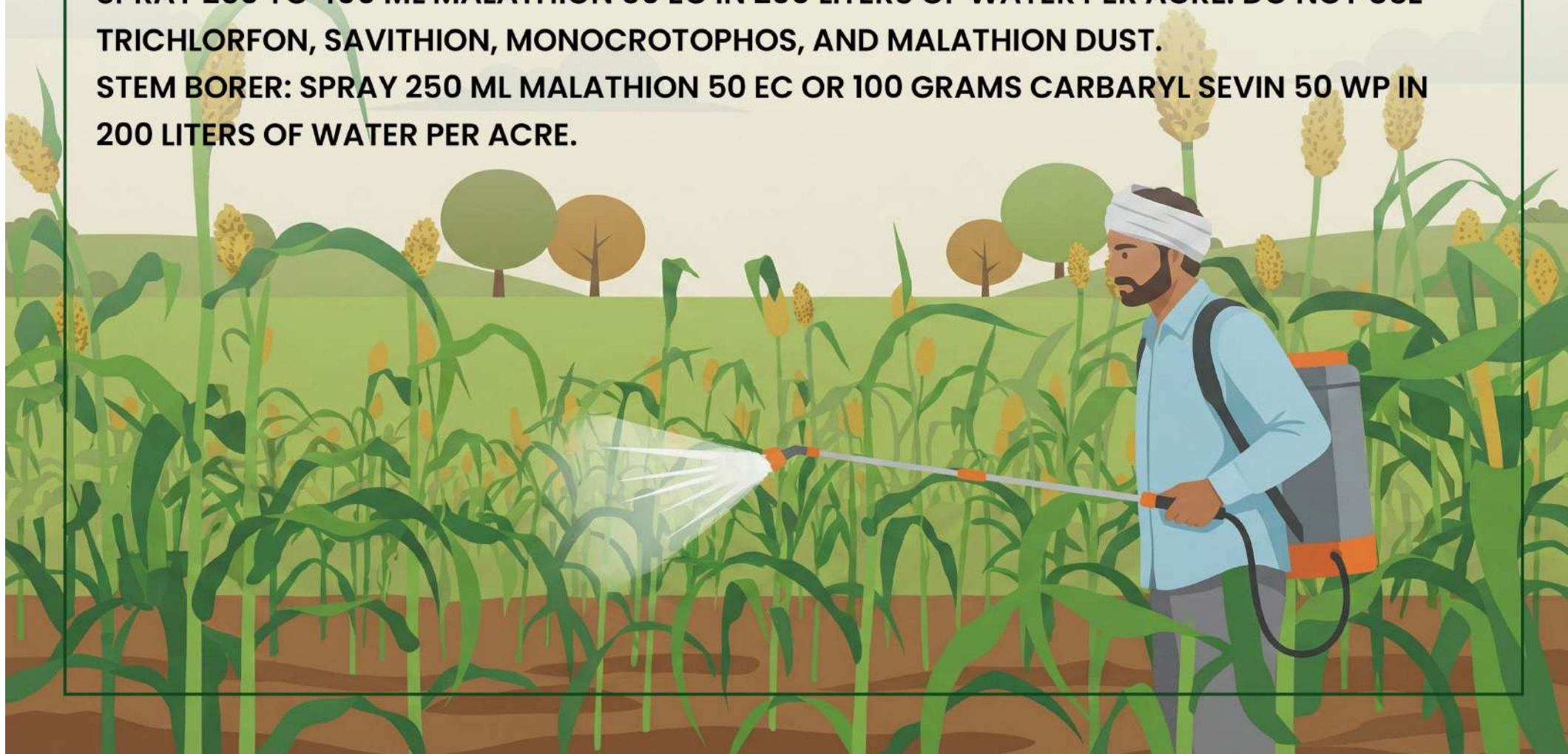




PEST CONTROL :-

SPRAY 250 TO 400 ML MALATHION 50 EC IN 200 LITERS OF WATER PER ACRE. DO NOT USE TRICHLORFON, SAVITHION, MONOCROTOPHOS, AND MALATHION DUST.

STEM BORER: SPRAY 250 ML MALATHION 50 EC OR 100 GRAMS CARBARYL SEVIN 50 WP IN 200 LITERS OF WATER PER ACRE.



DISEASES :-

RED ROT: TREAT THE SEEDS WITH EMISAN BEFORE SOWING.



NOTE :-

ALL CROP PRODUCTION RECOMMENDATIONS IN THIS LEAFLET ARE BASED ON THE RESEARCH AND EXPERIENCES OF AGRICULTURAL UNIVERSITIES, AGRICULTURAL KNOWLEDGE CENTERS, AGRICULTURAL SCIENTISTS OF KRISHI VIGYAN KENDRAS, PROGRESSIVE FARMERS, AND GOVERNMENT AGRONOMISTS. THE PRODUCTION OF A CROP/VARIETY DOES NOT DEPEND ONLY ON THE SEED BUT ALSO ON LAND, MANURE, FERTILIZER, OTHER FACTORS, AND THE ENVIRONMENT. FARMERS OF DIFFERENT STATES/REGIONS CAN GET NOT JUST GOOD, BUT THE BEST PRODUCTION BY USING THE ADVICE OF SCIENTISTS AND AGRONOMISTS OF LOCAL AGRICULTURAL UNIVERSITIES AND THEIR OWN EXPERIENCE ACCORDING TO LOCAL CONDITIONS

