PRODUCTION TECHNOLOGY FOR FULL FLAVOR BURLEY TOBACCO CY 2015-2016

TECHNOLOGY COMPONENT					ı	DETAILS				
		Bacterial Wilt	RKN	Black Shank	Fusarium Wilt	TMV/CMV				
1. Variety	TN 90	S	S	MT	S	R				
	CC812G	HR	S	R	MR	S				
	NC 7	S	HR	R	HR	R				
	KT 206	S	S	HR	S	R				
		nly resistant; R- resis	stant; MR- mode	erately resistant;	MT- moderate	y tolerant; S- susce	ptible			
2. Sowing Date	October to Deco	ember 10								
Transplanting Cut-off Date	January 23									
4. Transplanting Method	Ridge in low lyir	ng areas; all the rest	, in furrow							
5. Distance of Planting	1.0 m x 0.42									
9	1.10 m x 0.38									
	1.20 m x 0.35									
6. Number of Plants/ha	24,000									
7. Replanting	Within 5 days at	fter planting								
8. Fertilizer Rate	ULPI	261-108-194								
(kg N-P ₂ O ₅ -K ₂ O/ha)	CDF	282-125-173								
9. Fertilizer Source &	Quantity	Rate & Source	<u> </u>	Method and Time						
Time and Method	Combination 1	- ULPI								
	12 bags	10-18-24	— Basal bana	d application along	a tha furrau haf	ore ridge construction	n e e e e e e e e e e e e e e e e e e e			
	2 bags	0-0-50			_	•				
	6 bags	46-0-0					dibble at 2 points about 8 cm from the plant base.			
	6 bags	21-0-0		-band application						
	4 kgs	Foliar (20-20-20)	Apply as spray	starting at 10 DA	T applied at we	eekly interval until top	oping time			
	Combination 2									
	10 bags	Bio-Organic —								
		Fertilizer								
	10 bags	16-20-0	Basal - ha	nd annlication alo	application along the furrow before ridge construction					
	2 bags	0-0-50	basai ba	na application alo	g the fallow be	one mage constitue				
	8 bags@25kg/b									
	4 bags	46-0-0								
	6 bags	21-0-0					e at 2 points about 8cm from the plant base			
	1 l/ha	Seapoint Foliar		h stimulant : Spray		days interval				
		(19-19-19)	Spray weekly f	rom 30 DAT until	topping					

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10. Cultivation	1st Off- Barring at 10-14 DAT 2nd Hilling Up at 25- 28 DAT 3rd Hilling Up at 35-40 DAT											
11. Irrigation Method and Schedule	Hill to hill irrigation at transplanting 1st - 10 to 14 DAT, Hill to hill irrigation 2nd - 17 to 24 DAT, alternate furrow irrigation 3rd - 24 to 34 DAT, alternate furrow irrigation 4th - after the first priming, all furrows and succeeding irrigation will depend on soil moisture											
12. Crop Protection Agents	residues on tok spray only whe	ARMERS ARE EN pacco, reduce farm on the insect or po INSECT PESTS CUTWORM BUDWORM APHIDS LOOPERS LEAF MINERS KATYDID TO ANNEX "H" FO	pers' exposure to pulation is beyon Economic 5 out of 100 plant 2 budworm larvae 5 out 50 plants ha Treat when 10 %	CPAs, and, pd ETL. Treshold Levels (5%) with releast 1 random ave at least 50 or more of the related are seen	vel (ETL) cent cutworm sample grou aphids in a le plants check	t resistance deve ps of 10 plants ea eaf eed are infested wi	elopment, ach ith live worms	·				
		ACTIVE INGREDIENT		TOXICITY CATEGORY	MODE OF ACTION	TARGET PESTS	DOSAGE PER		NO. OF Sprayings	Maximum Tankload/(L for seedbed) per ha	PRE- HARVEST INTERVAL (days)	RE-ENTRY PERIOD (hours)
		Propamocarb HCl	Proplant, Previcur-N	IV	ovetomio	Pythium spp						
	Seedling	Acephate	Blackhawk	III	systemic contact, systemic,	Fyullulli Spp	30ml	57ml		1-2 liter/10		24
		-	Compete 75 SP		systemic	cutworm	20g	37.5g		sqm bed	3	24
	Variatativa (40, 24	Acephate	Blackhawk	III	contact, systemic, stomach	cutworm, budworm, loopers	30ml	120ml	1	4		24
	Vegetative (10 - 34 DAT)	}	Compete 75 SP		systemic	cutworm, budworm, loopers	20g	80g	1	4	3	24
		Chlorantraniliprole	Prevathon 5 SC	IV	systemic	cutworm, budworm, loopers	25ml	140ml	1	7	3	12

TECHNOLOGY COMPONENT						DETAILS						
SOM SKENT	GROWTH STAGE	ACTIVE INGREDIENT	BRAND NAME	TOXICITY CATEGORY	MODE OF ACTION	TARGET PESTS	DOSAGE PER 16 L	PRODUCT VOLUME	NO. OF Sprayings	Maximum Tankload/(L for seedbed) per ha	PRE- HARVEST INTERVAL (days)	RE-ENTI PERIOI (hours
	Early Maturity (35 – 50 DAT)	Bt + Pyridalyl	Dipel + Pleo	IV	systemic	cutworm, budworm, loopers	30g+20ml	330g+220ml	1	11		
	OR	Acephate	Compete 75 SP	- III -	systemic	cutworm, budworm,loopers, aphids	20g	220g	1	11	3	24
			Blackhawk		contact, systemic, stomach	cutworm, budworm,loopers, aphids	30 ml	330 ml		11		24
	OR	Flubendiamide	Fenos 480 SC	IV	systemic	cutworm, budworm	4ml	50-75ml	1	13-19	14	24
	Maturity (60 DAT) until the third or fourth harvest	Bt + Pyridalyl	Dipel + Pleo	IV	systemic	cutworm, budworm,loopers	30g+20ml	360g+240ml	1	12		
	depending on insect population and crop stand	Indoxacarb	Steward 30 WDG	III	contact, stomach, ovicidal	cutworm, budworm,loopers, leaf miners	4g sachet	40g=10 sachet	1	10	7	12
								Total T	ankloads	48-56		
Topping	When 30% of pla	ore full bloom and ints have one open 18 to 22 leaves		are important	IPM strategio	es that can susta	inably reduc	e insect infe	estation on to	obacco".	1	
	Flumex	3 liters/ha	Dilution rate: 1.25 ml Flumex to 98.75 ml water ml water Apply 10 ml/plant ml solution per plant, right after topping or within 24 hours									
	ART-78	12 liters	Dilution rate: 1 ml ART 78 to 30 ml water 20 ml solution per plant, right after topping or within 24 hours after topping									

TECHNOLOGY COMPONENT	DETAILS											
15. Harvesting	Prime 2-3 mature leaves (lugs) at 55-60 DAT. Priming is done at weekly interval to farmers who practice priming activity. Stalk cut at 85-90 DAT.											
	Important: Haul leaves/stalk immediately after harvest and unload under the shade, using cheese cloth, and buri "silag" or bamboo slats as matting material during sorting and sticking. File the leaves upright with the butt ends down; hang the stalk immediately inside the barn Sort leaves according to length, maturity and insect damage before sticking, and hang the leaves within the day											
	Reminder: Do not stalk cut	Reminder: Do not stalk cut right after irrigation or rain										
16. Curing Shed Type	Curing shed with black plastic	cover.										
Dimension	Dimension: (7 units of this size	Dimension: (7 units of this size is needed for 1 ha)										
	Floor	L= 4.2 m; W= 20 m										
	Height	3.15 m										
	No. of tiers	2 if there is priming, one tier if stalk cut only										
	Height of 2nd tier	1.8 m to accommodate stalks										
	Distance between tiers	0.75 m.										
17. Air Curing	Hang stalks at 25 cm apart for air circulation. Roll the shed cover for 3 days to pre-wilt the leaves/stalks then cover the shed fully to air dry the leaves. Maintain 65%-70% relative humidity (RH) inside the barn particularly during yellowing to lamina drying by closing or opening its sidings: higher than 70%, open sidings for aeration; lower than 65%, close the sidings. Note: Pre-wilting is recommended except for overripe tobacco Do not stripped tobacco leaves with swelled stems to prevent TSNA.											
18. Unloading	Pile for three days for pre-conditioning of leaves											
19. Stripping, Sorting and Classification												
	REMINDER: USE BURI MAT, CHEESECLOTH OR BAMBOO SLATS AS MATTING MATERIAL DURING THESE ACTIVITIES											

TECHNOLOGY COMPONENT	DETAILS						
19. Straight Laid Open	Bale the leaves using SLOB (Straight Laid Open Bale)						
Bale (SLOB) System	Size of Bale Box:						
	Size varies according to the requirement of the company in relation to the size of their grading ramp but the						
	weight should not be more than 50 kg.						
	Place 4 pieces of abaca twine inside the baling box just enough tie the leaves in the box.						
	Put leaves of similar size and quality in a bale.						
	Tie leaves before removing the bale box.						
	The weight per bale should be 20-25 kgs						
	REMINDER: KEEP THE MOISTURE CONTENT OF THE LEAVES AT 18% OR LESS						
	REFER TO ANNEX "I" FOR THE ELIMINATION OF NON-TOBACCO RELATED MATERIALS (NTRM)						