

CONVENTIONAL / PROSPIN COMPARISON CHART OF YARN PRODUCTION			Date: 06.12.2018		
INFORMATION	COTTON PRICE (USD)	1,80			
	UNIT PRICE OF POWER COST (USD) KW/KG	0,074			
	SALE PRICE OF YARN (USD)	2,85			
	NUMBER OF EMPLOYEES	162			
	NUMBER OF WORKING DAYS	7 DAYS / 3 SHIFT			
	NUMBER OF WORKING DAYS IN A YEAR	335			
PRODUCTION TYPE		RING (Conventional)	PROSPIN	RATE	
PRODUCTION	SPINDLE QUANTITY	25.200	25.200		
	NE	20,00	20,00		
	TWIST/MT. (TPM)	733	670	-8,6%	
	α e	4,16	3,80	-8,6%	
	SPINDLE SPEED (RPM/MIN.)	14.500	14.600	0,7%	
	AVERAGE SPINDLE SPEED (RPM/MIN.)	13.250	13.350	0,8%	
	OUTPUT SPEED (M/MIN.)	18,08	19,93	10,2%	
	EFFICIENCY (%)	95%	95%		
	PRODUCTION OF A SPINDLE / DAY (KG)	0,730	0,805	10,2%	
	PRODUCTION / DAY (KG)	18.404	20.286	10,2%	
PRODUCTION / YEAR (KG)	6.165.310	6.795.962	10,2%	RATE IN TOTAL COST	
COST OF YARN	COTTON COST FOR 1 KG YARN (WITH YARN PRODUCTION WASTE EARNINGS) (USD/KG)	1,951	1,949	-0,1%	82,0%
	EMPLOYERS COST (USD/KG)	0,234	0,212	-9,3%	8,9%
	COST OF GENERAL PRODUCTION EXPENSES (USD/KG)	0,043	0,048	13,4%	2,0%
	POWER COST (USD/KG)	0,175	0,167	-4,4%	7,0%
	PRODUCTION COSTS WITHOUT MATERIAL COST (USD/KG)	\$0,451	\$0,428	-5,2%	18,0%
	TOTAL COST (USD/KG)	\$2,402	\$2,377	-1,1%	
PROFIT	SALE PRICE OF YARN (USD)	2,85	2,85		
	PROFIT (%)	19%	20%	6,8%	
	TOTAL PROFIT / YEAR (USD)	2.762.437	3.216.641	16,4%	
	PROFIT FOR ONE SPINDLE / YEAR (USD)	\$110	\$128	16,4%	
	PROFIT FROM PRODUCTION COST FOR 25.200 SPINDLES / YEAR (USD)		\$160.700		
	PROFIT FROM PRODUCTION WASTE FOR 25.200 SPINDLES / YEAR (USD)		\$10.934		
	PROFIT FROM THE SALES AMOUNT FOR 25.200 SPINDLES / YEAR (USD)		\$282.571		
	TOTAL PROFIT FROM PROSPIN / YEAR (USD)		\$454.204		
TOTAL PROFITS FROM PROSPIN PRODUCTION FOR ONE SPINDLE / YEAR (USD)		\$18,0			