

DCPH	- DEVELOPMENT COST PER HECTARE (DOLLARS/HECTARE)	
DCPH=1E5/(400/5200/3500/2400/1500/750/300/150/75/50)		97, A 97.1, T
DCPH	- DEVELOPMENT COST PER HECTARE (DOLLARS/HECTARE)	
TABHL	- A FUNCTION WITH VALUES SPECIFIED BY A TABLE	
DCPH1	- DCPH TABLE	
PAL	- POTENTIALLY ARABLE LAND (HECTARES)	
PALT	- POTENTIALLY ARABLE LAND TOTAL (HECTARES)	
LOOP 2	FOOD FROM INVESTMENT IN AGRICULTURAL INPUTS	
CAI, K=TAI, K*(1-FIALD, K)		98, A
CAI	- CURRENT AGRICULTURAL INPUTS (DOLLARS/YEAR)	
TAI	- CURRENT AGRICULTURAL INVESTMENT (DOLLARS/YEAR)	
FIALD	- FRACTION OF INPUTS ALLOCATED TO LAND DEVELOPMENT (DIMENSIONLESS)	
AI, K=SMOOTH(CAI, K, ALAI, K)		99, A 99.1, N
AI=SE9		
AI	- AGRICULTURAL INPUTS (DOLLARS/YEAR)	
SMOOTH	- FIRST-ORDER EXPONENTIAL SMOOTHING DELAY	
CAI	- CURRENT AGRICULTURAL INPUTS (DOLLARS/YEAR)	
ALAI	- AVERAGE LIFETIME OF AGRICULTURAL INPUTS (YEARS)	
ALAI, K=CLIP(ALAI, 2, ALAI, 1, TIME, K, PYEAR)		100, A 100.1, C 100.2, C
ALAI=2		
ALAI=2		
AI	- AVERAGE LIFETIME OF AGRICULTURAL INPUTS (YEARS)	
CLIP	- A FUNCTION SWITCHED DURING THE RUN	
ALAI1	- ALAI, VALUE AFTER TIME+PYEAR (YEARS)	
ALAI1	- ALAI, VALUE BEFORE TIME+PYEAR (YEARS)	
TIME	- CURRENT TIME IN THE SIMULATION RUN	
PYEAR	- YEAR NEW POLICY IS IMPLEMENTED (YEAR)	
AIPI, K=PAI, K*(1-PALM, K)/AL, K		101, A
AIPI	- AGRICULTURAL INPUTS PER HECTARE (DOLLARS/HECTARE-YEAR)	
PAI	- AGRICULTURAL INPUTS (DOLLARS/YEAR)	
PALM	- FRACTION OF INPUTS ALLOCATED TO LAND MAINTENANCE (DIMENSIONLESS)	
AL	- ARABLE LAND (HECTARES)	
LYNC, K=TABHL(LYMC, AIPI, K, 0, 1000, 40)		102, A
LYMC=1/3/8/4/4/4/5/4/5/7/6/3/6/6/9/7/2/7/4/7/6/7/8/8/2/8/4/6/6/8/9/9/9/2/5/4/5/6/9/8/10		102.1, T 102.2, T
LYMC	- LAND YIELD MULTIPLIER FROM CAPITAL (DIMENSIONLESS)	
TABHL	- A FUNCTION WITH VALUES SPECIFIED BY A TABLE	
LYMC1	- LYMC TABLE	
AIPI	- AGRICULTURAL INPUTS PER HECTARE (DOLLARS/HECTARE-YEAR)	
LY, K=LY1, K*LYERT, K*LYMC, K*LYMAP, K		103, A
LY	- LAND YIELD (VEGETABLE-EQUIVALENT HIL/GRAMS/HECTARE-YEAR)	
LY1	- LAND YIELD FACTOR (DIMENSIONLESS)	
LYERT	- LAND FERTILITY (VEGETABLE-EQUIVALENT KILOGRAMS/HECTARE-YEAR)	
LYMC	- LAND YIELD MULTIPLIER FROM CAPITAL (DIMENSIONLESS)	
LYMAP	- LAND YIELD MULTIPLIER FROM AIR POLLUTION (DIMENSIONLESS)	
LY, K=CLIP(LY2, LY1, TIME, K, PYEAR)		104, A 104.1, C 104.2, C
LY1=1		
LY2=1		
LY	- LAND YIELD FACTOR (DIMENSIONLESS)	
CLIP	- A FUNCTION SWITCHED DURING THE RUN	
LY2	- LY2, VALUE AFTER TIME+PYEAR (DIMENSIONLESS)	