

Better Training for Safer Food

Initiative

The alternative method to the Codex Alimentarius decision tree for the CCPs & GHP/GMP determination



Addis Ababa, Ethiopia 28 August-3 September 2016





Microbiological risk's characteristics

Controlled by GHP & GMP non appropriate to CCPs implementation

3 components

Multiplication Survival

Depending on physicochemical parameters (Time, pH, Aw) suitable to CCPs implementation

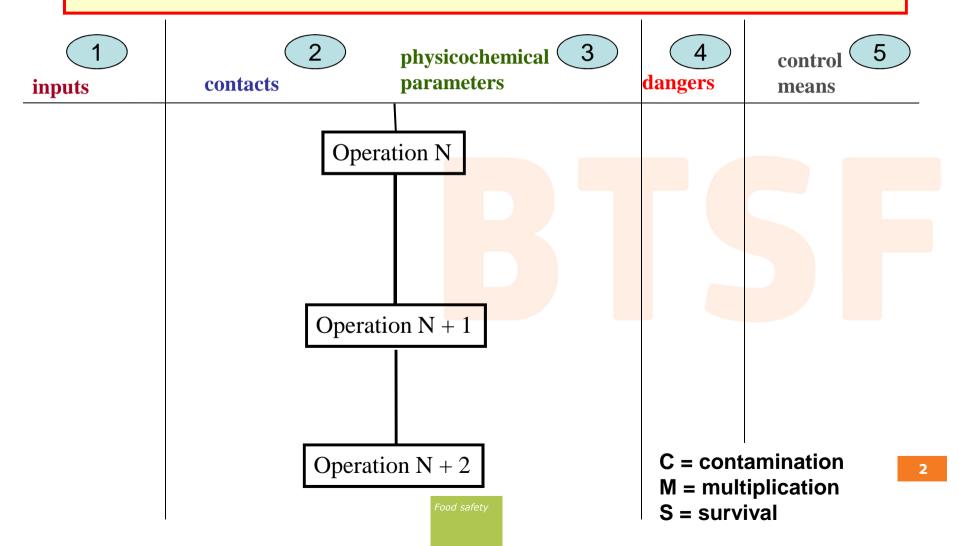
"That is the reason why HACCP is essentially adapted and applicable to microbiological risks' control with very few exceptions":

- residues dilution or concentration in liquid foodstuffs
- neoformed substances by cooking and/or other heat treatments

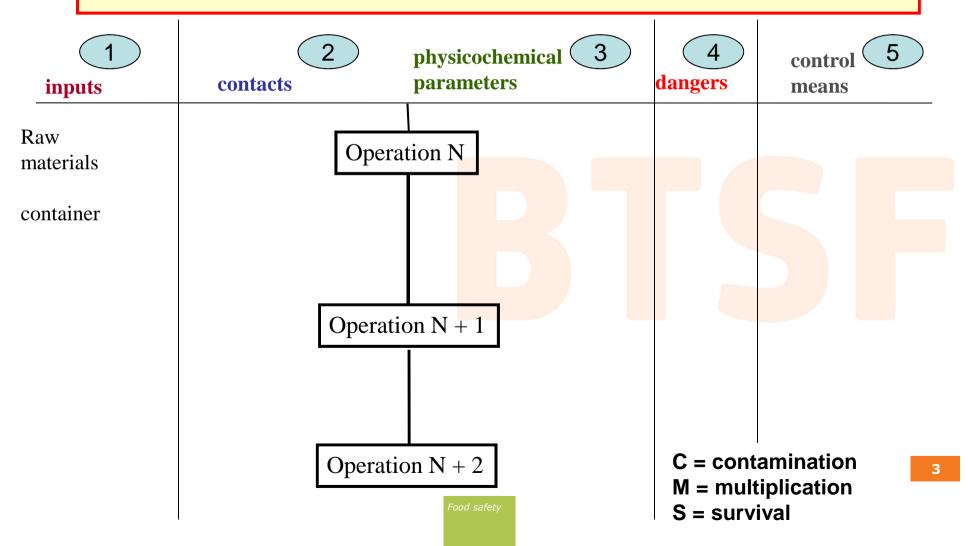
Chemical & physical risks' characteristics

1 component Contamination Non appropriate to CCPs implementation

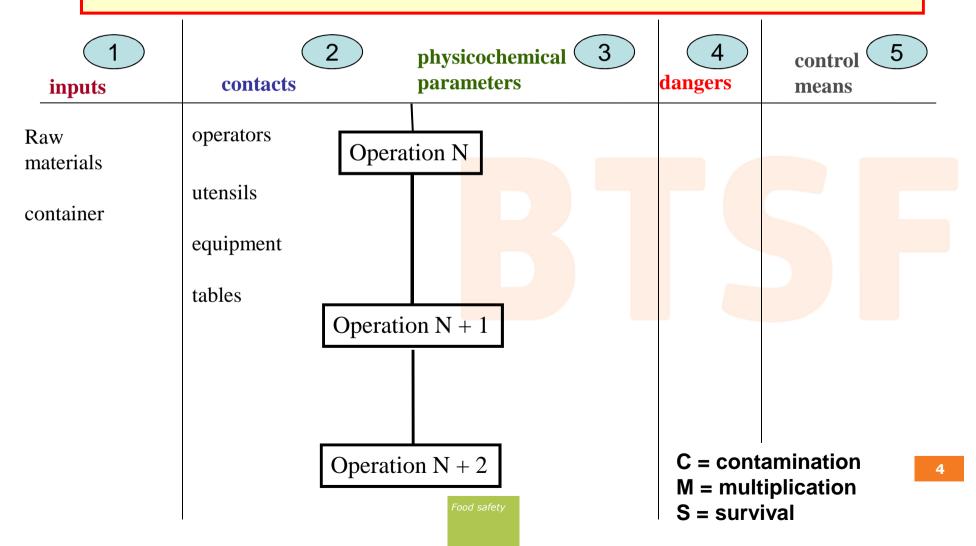




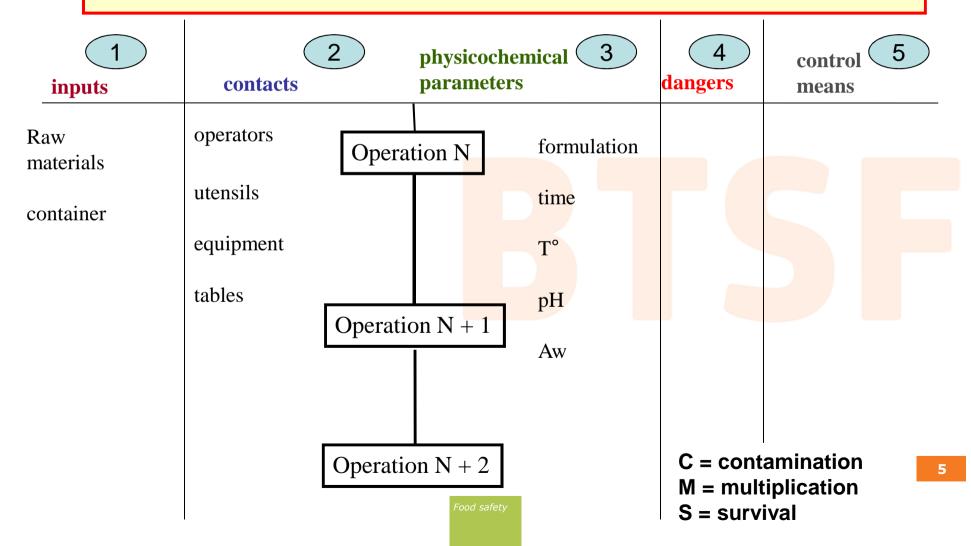




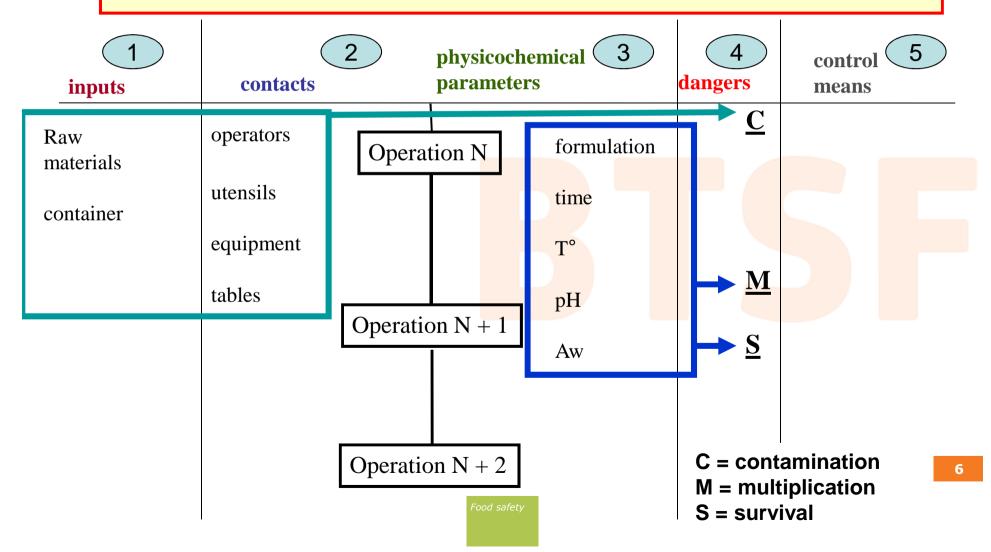




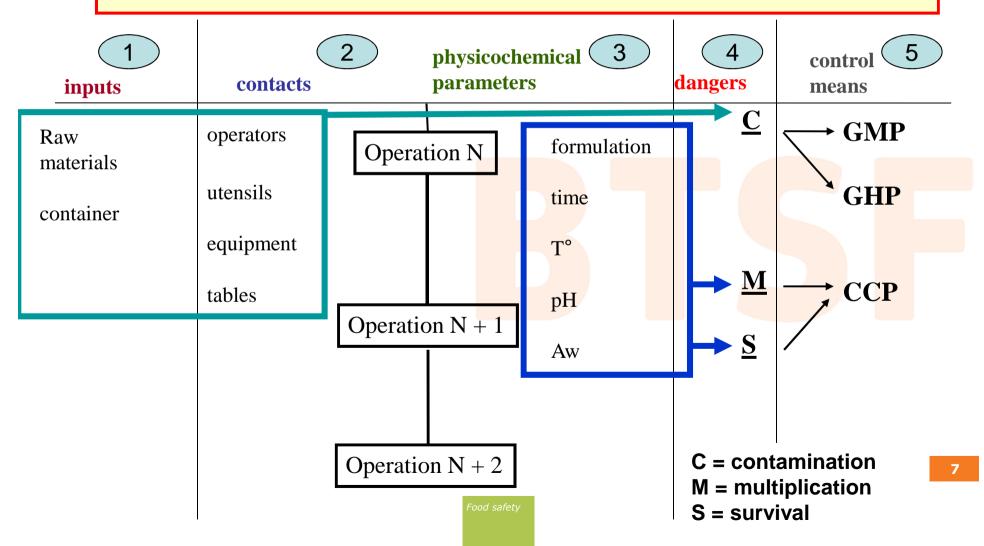




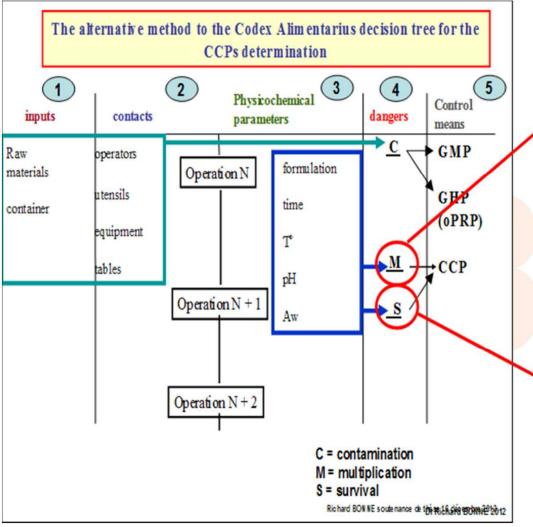












Definition of critical limits, target values and tolerance of each CCP specific parameters aiming to control multiplication (Time, T°, Aw, Ph, ...), by application of "predictive microbiology".

Definition of critical limits, target values and tolerance of each CCP specific parameters aiming to control <u>survival</u> (Time, T°, ...) by calculation <u>pasteurizing</u> <u>values</u> and <u>sterilizing values</u>



The alternative method to the decision tree for the CCPs determination, practical example of "salt pork with lentils"

inputs	contacts	physicochemical 3 parameters	dangers	control 5 means
Pork meat salt nitrite water	hands utensils pot	mixing	<u>C</u>	GMP GHP
lentils Pepper		cooking time T°	<u>S</u>	ССР
container cover	Ladle hands	conditionning	<u>C</u>	GMP GHP
C = contamina M = multiplicat S = survival		Cooling Time Tood safety	<u>M</u>	CCP 9



THANK YOU

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Food safety