

Risk Management and Decision Making

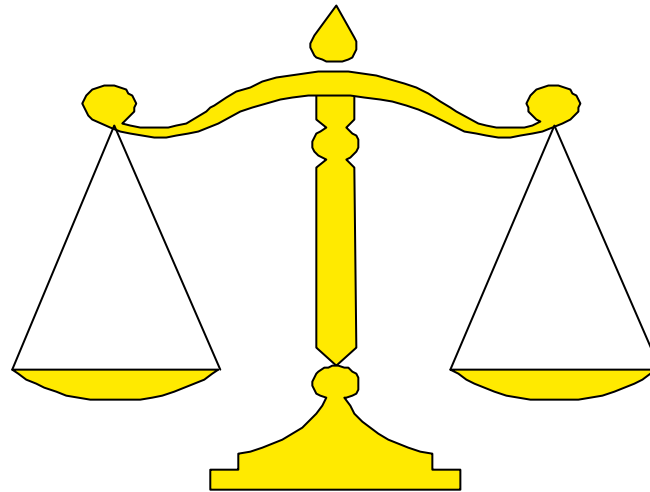
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Factors

SCIENCE



**PUBLIC
POLICY**

BEST BALANCED DECISIONS
(Acceptability of Risk / Section 18)



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Science Components

RISKS



Human Health
Environment
Phyto

VALUES



Performance
Sustainability
Economics



Product Performance (efficacy)

F deceptive claims

F lowest effective rate - minimize

{ dietary exposure
environmental impact

MINIMUM DOSE = MAXIMUM SAFETY



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F Sustainability

G sustainable production practices, e.g., IPM

G alternative control products and practices

G resistance management

**Label
Directions** {
 Ê optimize IPM fit
 Ë contribute to resistance management
 Ì mitigate risks
 Í maintain performance



F Economics/competitiveness

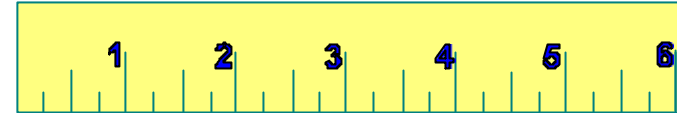
- G volume, quality or value of commodity treated
 - G competitiveness of production sector
 - G trade (harmonization)
-

- G cannot override unacceptable risks
- G may influence
 - u details and timing of decisions
 - u risk mitigation measures

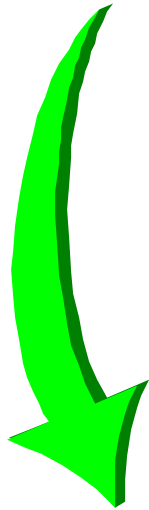


Rules and Regs - Section 9

Science Assessment of:



- F performance, phyto, non-targets
- F human health
- F environmental effects



Determination of:

- F safety
- F merit
- F value

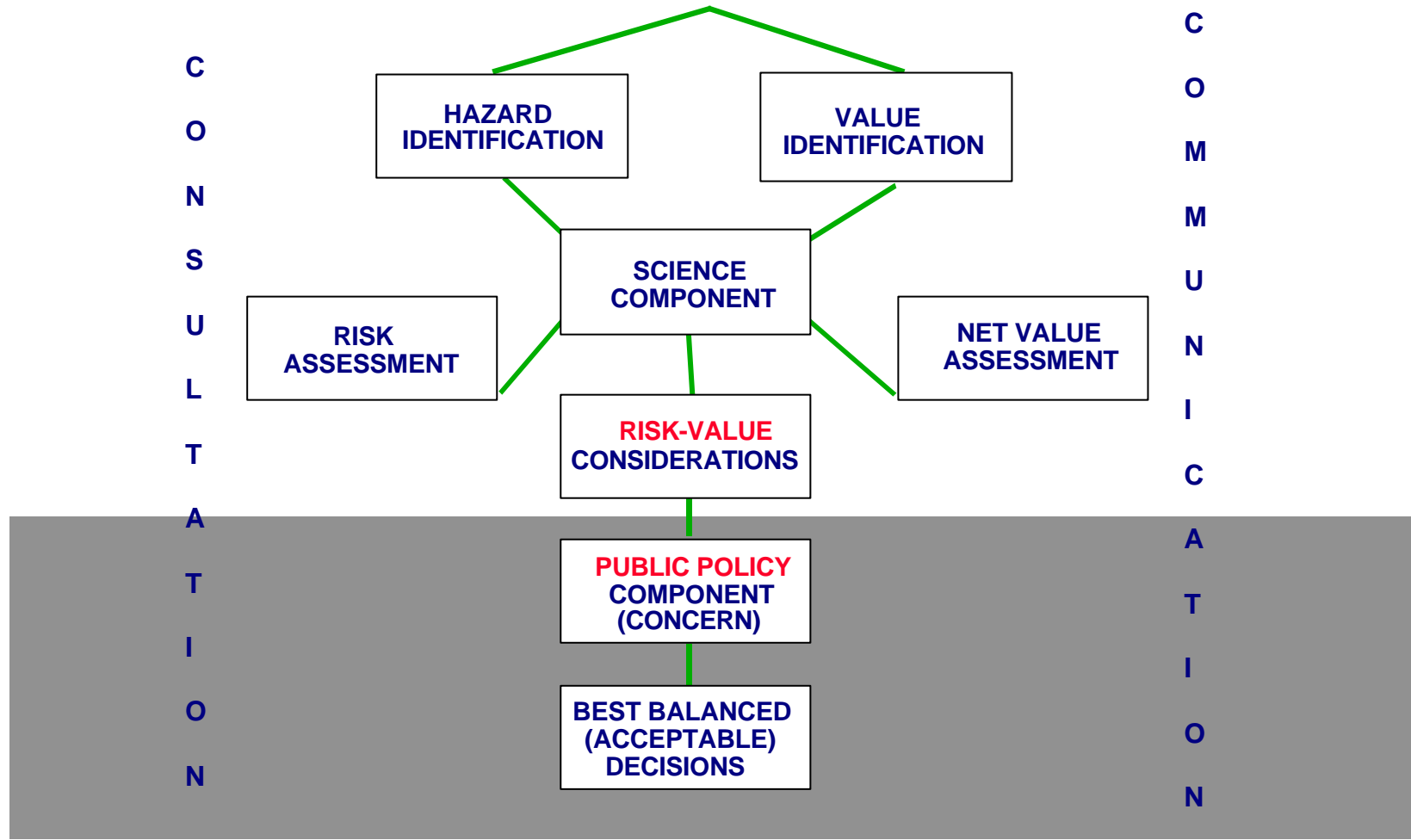


Public Policy Components

- F wholesome food
 - F quality of lifestyle
 - F employment
 - F economic prosperity
 - F involuntary exposure
- } competitiveness/
trade



Steps in Regulatory Management



Timely Acceptable Regulatory Decisions



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