

# METHODS

## ***Constant RH threshold***

RH  $\geq$  90%

## ***Dew Point Depression***

DPD  $\leq$  1.8 °C for wetness onset

DPD  $\geq$  2.2 °C for wetness dry-off

## ***Extended RH threshold***

RH  $\leq$  70% DRY

RH  $\geq$  87% WET

70%  $\leq$  RH  $\leq$  87% if RH increases more than 6% WET

70%  $\leq$  RH  $\leq$  87% if RH decreases more than 4% DRY

# CONTINGENCY TABLES

	Estimated—Yes	Estimated—No
Observed—Yes	Hits (X)	Misses (Y)
Observed—No	False alarms (W)	Correct negatives (Z)

$$F_C = \frac{X + Z}{X + Y + W + Z} \quad \text{Fraction of correct estimates}$$

$$C_{SI} = \frac{X}{X + Y + W} \quad \text{Correct success index}$$

$$F_{AR} = \frac{W}{X + W} \quad \text{False alarm ratio}$$

$$B_S = \frac{X + W}{X + Y} \quad \text{Bias}$$