Param Scan Update

# RESULTS

Out of 300 (297) runs, 168 allowed ERFB, which were the only ones considered below.

Definitions – for each strategy:

WORKED: compared to 21x21 grid, did we get at least as good an effective life from the strategy we test compared to the best one from the grid

AVERAGE: average of [our EL/max grid EL]

>100%: did our strategy ever give better than the grid did?

CONDITIONAL MEAN: average of [our EL/max grid EL], only including runs where it didn’t give >=100%.

## ERFB (EQUAL RESISTANCE FREQUENCIES AT BREAKDOWN) :

Worked: 145/168=86.3%

Average: 97.0% (of the max across the grid)

>100%: 4 times (found a better value than the max on the grid)

Conditional mean: 76.9%

## HOBBELEN (EQUAL SELECTION FIRST YEAR):

Worked: 60/112=53.6%

Average: 91.6%

>100%: 2 times

Conditional mean: 81.6%

## FULL DOSE:

Worked: 37/168=22.0%

Average: 82.9%

>100%: 0

Conditional mean: 78.1%

## MINIMUM DOSE WITH F1, F2 EQUAL:

Worked: 28/168=16.0%

Average: 74.5%

>100%: 0

Conditional mean: 69.4%

# NEXT STEPS

* If failed, why?
* Run for 1000 not 300
* What can we say when ERFB not possible?
* Can we say anything more about using Delta RFB as a metric?
* Can we say anything about when high vs low dose is best? Think SR prop is an important one but are there others?