1) Create new Grid and soil file

create new soil file — create all new grid info

create new soil file to

Read params from database and place in buffer file

NO

Brain based soil hybrid
YES
Pull texture soil Rosette

Need texture in ema card

Call Gridgen

all files — YES — output
NO

Make alt file — YES — output and rename
NO

Make only — YES — delete other files and write node only
NO — error — end

2) Create new grdn

New soil NO — create grid dels — output
YES — Keep soil

Reasons to generate new grid file   /GN /SN

- change in layering or new soil file · /GN /SN
- change in grid dimensions - different node numbers /GN
- ~~new soil file with different properties~~

Reasons to keep grid

   only new B.C.   /GM

   change in initial conditions only ⎤
     - such as new crop   ⎥ only nod file /GM
      in rotation   changes
     only change in kead or P/∅ ⎦

Reasons to keep soil file   /GN   36,(53)
     - changes to grid or
     initial conditions only

If we choose a new soil file (/SN
     - need to change Grids so /SN is always
      associated with /GN

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file names
grid file → will rename later?

$(-3,1)$ $(1,3)$

$a_1 + a_2y$ 0 3   1,3
           0∅   1,2 -

1,2   4,6
0-4 0 3 4
x4   y-1