*Cycle Number*

AS seen from screen shot below, new Cycle needs to be numbered (Required Field). Currently, numbering is performed by the user but doing it this way can lead to entering same number twice or changing the order. It would be better if system can automatically advance cycle number.

For each ***CROP\_ID:***

1. System assigns number **“1”** if Cycle of ***Activity Name*** is being done for the first time.
2. Any consequent cycle with same ***Activity Name*** gets number incremented by 1.

For example:

Crop is registered between dates 01/01/2016 and 12/31/2016. Let’s assume that Harvesting Cycle is done for the first time and scheduled between 01/15/2016 and 01/31/2016. This harvest cycle since is done for the first time for this CROP (referred through CROP\_ID) will be assigned number 1.

If next Harvesting Cycle is scheduled right after to begin on 02/01/2016, its number will be increment to 2.

But, if Pruning is scheduled on 03/15/2016, since has not yet been performed for the CROP\_ID , its number will be 1 .

In other words, system checks for number of combinations of CROP\_ID and ID\_Activity\_Name in CYCLE table and increments by one result of “count by” returned by the query.

|  |  |  |  |
| --- | --- | --- | --- |
| CYCLE | |  |  |
| PK | Cycle\_ID |  |  |
| PK | IDcrop | FK |  |
|  | IDactivityName | FK |  |
|  | HR required |  | Boolean |
|  | Machine required |  | Boolean |
|  | Service required |  | Boolean |
|  | Materials required |  | Boolean |
|  | Cycle number |  | Small Int |
| \* | Initial Date |  | Date |
| \* | Final Date |  | Date |

