SAP MRP LIST

MRP_LIST

MRP_LIST is a listing of all things in MRP – inputs, outputs and balances.

MRP Elements are things like purchase requisitions, purchase orders, STRs, STOs, dependent requirements, dependent reservations, etc.
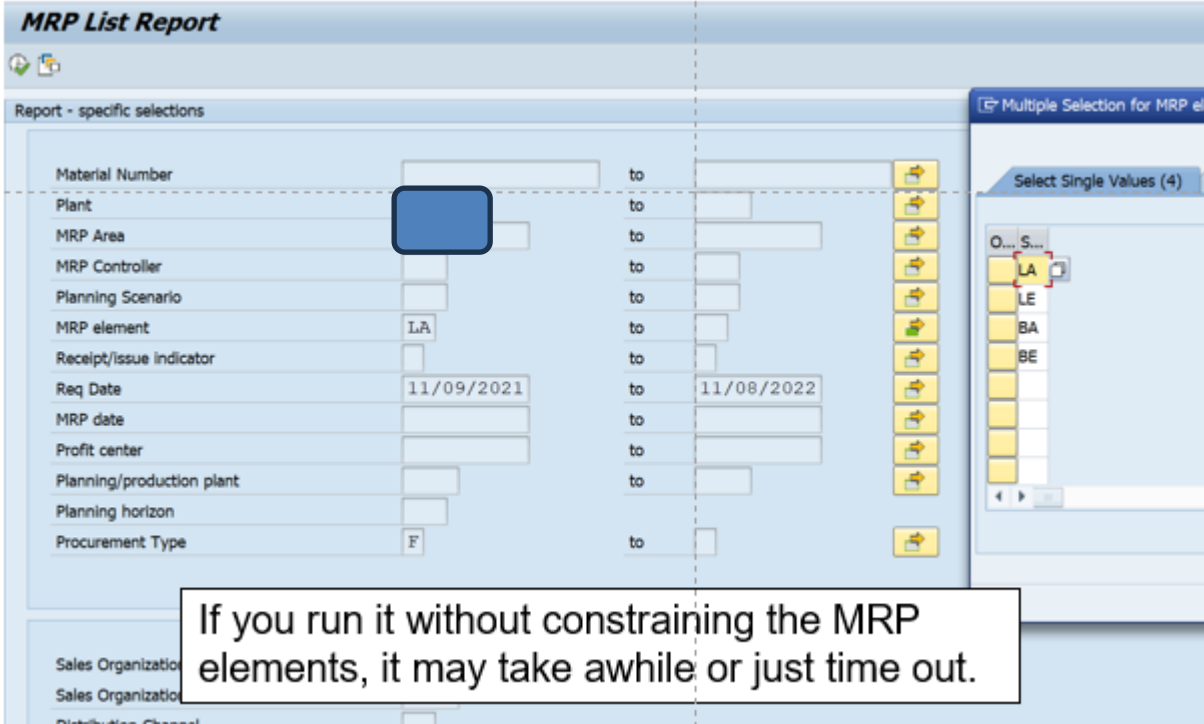
They are "+", "-" and "B" balances. Pluses are inputs, minus is output, and balances are balances.

These are the typical MRP elements used.

MRP Element	
SB	SB Dependent requirement
BE	BE Order item schedule line
AR	AR Dependent reservation
BA	BA Purchase requisition
LA	LA Shipping notification
LE	LE SA schedule line
U1	U1 Release order for a stock transfer order
FE	FE Production order
PA	PA Planned order
U2	U2 Release order for a stock transfer requisition
VC	VC Order
VJ	VJ Delivery

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MRP_LIST is an extract of MRP by site and MRP Area. If I want to see what the external supply for an MRP Area, I populate Plant, MRP Area, MRP Elements LA, LE, BA, BE, procurement type and date range and execute. It takes a little while to run, but I have run complex plants for three-year windows in less than an hour.

If you run it without constraining the MRP elements, it may take awhile or just time out.

OUTPUT

My list default layout includes 52 elements, but you can make the listing smaller by changing the layout and saving it as something else. See highlighted icon.
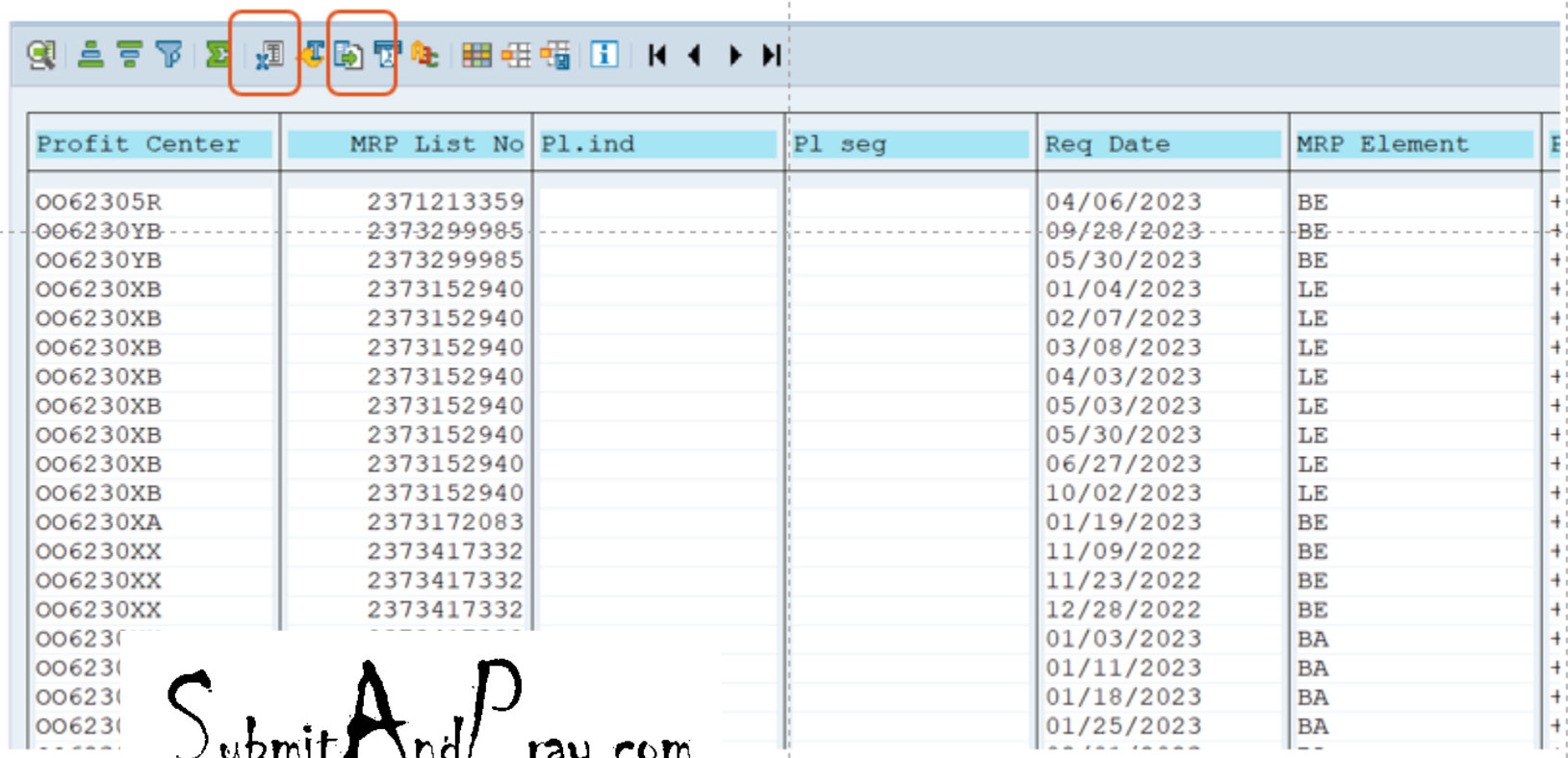
Exporting the file

- The easiest way to export this is to hit the spreadsheet icon. The second highlighted icon also works but takes a couple more steps.

Profit Center	MRP List No	Pl.ind	Pl seg	Req Date	MRP Element	
0062305R	2371213359			04/06/2023	BE	+
006230YB	2373299985			09/28/2023	BE	+
006230YB	2373299985			05/30/2023	BE	+
006230XB	2373152940			01/04/2023	LE	+
006230XB	2373152940			02/07/2023	LE	+
006230XB	2373152940			03/08/2023	LE	+
006230XB	2373152940			04/03/2023	LE	+
006230XB	2373152940			05/03/2023	LE	+
006230XB	2373152940			05/30/2023	LE	+
006230XB	2373152940			06/27/2023	LE	+
006230XB	2373152940			10/02/2023	LE	+
006230XA	2373172083			01/19/2023	BE	+
006230XX	2373417332			11/09/2022	BE	+
006230XX	2373417332			11/23/2022	BE	+
006230XX	2373417332			12/28/2022	BE	+
006230				01/03/2023	BA	+
006230				01/11/2023	BA	+
006230				01/18/2023	BA	+
006230				01/25/2023	BA	+

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Using it for projecting monthly receipts

Adding cost to it allows you to use it for monthly inventory projections or allows you to quickly quantity the values of exceptions messages, by putting it into a pivot table.

STOs for Internal plants are included and are part of the BE MRP element.

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MRP_LIST

You can do other stuff with it.

For one site I ran it for 12 month and then decided to see how many purchase requisitions I was generating per part number using a pivot table.

The top item is generating 284 purchase requisitions in a 12-month period – more than one for every working day (assume 250 workdays in your SAP Calendar).

Do we need 11 shipping notifications for one day? Followed by 11 receiving activities, and multiple invoices? And another set of POs do on the following day?

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Row Labels	Count of MRP List No
1020427-4	284
1020423-4	215
1022365-11	106
1023859-3	103
5917231-46	84
1022365-12	68
1020429-3	66
5P8071-531-0001	61

It can become part of your permanent record

A good practice is to save these on at least a quarterly basis for record keeping purposes.

Did forecast change? Did it move? Increase or decrease?

If a supplier is short, and we historically over forecast, what does that mean?

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