

"Appropriate Technology for Agriculture"

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Benefits of front 3 pt and PTO on both mono and bidirectional tractors.

- 1. A front 3 pt. and PTO can be used simultaneously to good effect such as mowing in front and tithing with spader, rotary hoe or power harrow with or without side shift. Reducing the number of passes in your plantings saves time and fuel and minimizes compaction.
- 2. By using a front mount disc or drum mower and rear mounted unit that cuts off to the right of the tractor one can increase swath cut in each pass, while keeping individual implements maneuverable.
- 3. Cover crop mowing and spraying in vineyards and orchards again lend themselves to being done in one pass. Crop residue chopping and pasture clipping with over seeding can be combined into one pass.
- 4. Tools that are alternated with others frequently are good candidates for keeping them mounted front and rear for extended periods. A front mounted drum or disc mower for cutting hay and basket or belt rake at rear lets you move back and forth cutting hay and turning windrows.
- 5. Mounting a front rake and a small baler in rear 3 pt. gives you flexibility to prepare hay just right before baling without constant mounting and demounting tools and saves time and fuel by eliminating dead heading between fields to move implements. Even with quick hitches to ease the job, hooking and unhooking PTO shafts is fatiguing chore best minimized.
- 6. A bin fork front and rear makes harvest hauling more efficient by carrying two bins at a time.
- 7. The more diverse your farm topography or the more varied your crop mix the more possibilities there are to use both ends of the tractor.



Bidirectional TTR 4400 with double acting sycle bar on rear 3 pt and gyro rake on front 3 pt. in transport mode.