

## INCREASED EFFICIENCY

### LOADER APPLICATIONS

#### Anti-Stall Feature

When entering a dirt pile, the Anti-Stall feature senses an increased engine load and decreases the transmission output ratio, allowing the engine speed to recover without stalling the engine.



#### Shuttle Shift

The premium finger controlled Shuttle Shift lever engages the transmission into forward or reverse, increasing productivity.



#### Reactivity Setting

Select High or Low Reactivity to control your tractor's acceleration and deceleration rate. This new feature allows you to be more productive depending on your specific application.



### NON-LOADER APPLICATIONS

#### Customized Speed Mode

Depending on your application, choose from three speed modes: Low, Medium, and High. Simply push a button. No need to engage a mechanical lever.



#### Electro Hydraulic PTO Engagement

Electro hydraulic PTO engagement on the Farmall CVT tractors save you effort and time over prior hydrostatic transmission models.

**SAFETY NEVER HURTS!**™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

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# FARMALL® 40/45/50 CVT RECOMMENDED SETTINGS



The CVT found in the Farmall 40/45/50 tractors is based on a simple design that uses variable diameter pulleys connected by a steel chain to alter the transmission ratio and adjust for speed and power requirements.

**Go Pedal** – As easy as driving your car! The Go Pedal controls ground speed and is designed to be similar in operation and position to the accelerator pedal found in automobiles.

**Automotive Cruise Control** – Just like your car, the cruise control resume and set switches can be used to increase or decrease ground speed.

**Automotive 4WD Engagement** – Go from 2WD to 4WD and back again using the 2-position console switch. Save time by engaging 4WD on the go, just like your automobile.



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## RECOMMENDED SETTINGS FOR FARMALL 40/45/50 CVT TRACTOR MODELS

| Action   | Speed Setting                               | Reactivity Setting | Engine RPM  | FWD      | Cruise   | Preset Cruise               | Anti-Stall                        | Tailored Performance Expectations  |
|--|---|--------------------|---|----------|----------|-----------------------------|-----------------------------------|--|
| <b>Default Software Settings</b>                         | 1(LO) 0-30%<br>2(MED) 0-60%<br>3(HI) 0-100% | L1 and H3          | N/A   | Off      | Off      | 0.5                         | Off                               |  |
| <b>Default from plant</b>                                | 1(LO)                                       | H3                 | N/A   | Off      | Off      | 0.5                         | Off                               | Tractor reacts extremely quickly, both acceleration and deceleration. First 30% of pedal travel is for inching to get off the truck and around the shop. Top speed is limited to 30% (6 MPH).  |
| <b>Loader Work (Tight Quarters)</b>                      | 1(LO)                                       | H3                 | >1800 (required for enough pressure to lift bucket and for pushing power) | On       | Off      | Off                         | On-Learner / Experienced-Optional | Tractor reacts extremely quickly, both acceleration and deceleration. First 30% of pedal travel is for inching to get off the truck or trailer for bucket dump. Top speed is limited to 30% (6 MPH).   |
| <b>Loader Work (Open Quarters)</b>                       | 2(MED)-Tailor Speed                         | H3                 | >1800 (required for enough pressure to lift bucket and for pushing power) | On       | Optional | Off                         | On-Learner / Experienced-Optional | Tractor reacts extremely quickly, both acceleration and deceleration. Cruise can be used for shuttling maneuvers and covering the open terrain. Top speed is limited to 60% (11MPH), unless speed is tailored.   |
| <b>Mowing (Professional Landscaping)</b>                 | 2(MED), 3(HI)                               | L1-L3              | Rated   | Off      | Optional | Optional (Must be in 3(HI)) | Off-Experienced                   | Tractor reacts and shuttles slowly/smoothly to protect turf. Top speed can be limited. Cruise preset can be used to select and maintain an exact ground speed for speed sensitive situations.  |
| <b>Mowing (Home Owner)</b>                               | 1(LO)                                       | H1-H3              | Rated   | Optional | Optional | N/A                         | On-Learner / Experienced-Optional | Tractor reacts and shuttles relatively quickly. Some minor turf or ground damage may occur depending on heaviness of operators foot. Cruise control is perfect for maintaining speed for mower deck. First 30% of pedal is ideal for operating in tight spaces.  |
| <b>Aeration</b>  | 1(LO)                                       | L1-L3              | >1800 (leave some reserve for climbing hills)                             | Optional | Optional | N/A                         | On-Learner / Experienced-Optional | Tractor reacts slowly and smoothly. Reactivity should be increased for tight quarters or around hazards. The cruise preset is recommended to maintain specific ground speeds required for the application.   |
| <b>Backing up to implement or trailer</b>                | 1(LO)                                       | H3                 | Idle or operator choice   | Off      | Off      | Off                         | Off                               | Tractor reacts quickly to operators input and can inch up to an implement or trailer very slowly.  |
| <b>Roto Tillage</b>                                      | 1(LO) 2(MED) Adj. to 20%                    | H3                 | Rated   | On       | Optional | N/A                         | On-Learner Experienced/Optional   | Tractor reacts quickly to operator input. Cruise control can be used for long stretches of ground. The speed setting allows for greater foot control across lower speed applications, as you may not go 30% max speed.   |
| <b>Roading NO Trailer</b>                                | 3(hi)                                       | H3                 | Max   | Off      | Optional | Optional                    | Off                               | Tractor reacts quickly with fast acceleration and deceleration. Cruise can be used to cover long distances.  |
| <b>Towing (Dry Conditions/Normal Traction situation)</b> | 3(hi)                                       | H1-H3              | Max   | Off      | Optional | Optional                    | On                                | Tractor reacts quickly with fast acceleration and deceleration. Cruise can be used to cover long distances. Reactivity can be used to avoid load jerk.   |
| <b>Towing (Wet or Slippery Conditions)</b>               | 3(hi)                                       | L1-H1              | Max   | On       | Optional | Optional                    | On                                | Tractor needs to react smoothly on deceleration to prevent jack-knifing the trailer particularly when towing down hill. The reactivity can be tailored to put maximum HP on the ground.  |
| <b>Snow Removal</b>                                      | 3(HI)                                       | L1-H2              | Rated   | On       | Optional | Optional                    | On                                | Speed probably set to Medium and set for about 3 mph-4 mph top speed with maximum reactivity: this gives you controllable pushing power with the loader and depending on snow conditions you are going to need a massive amount of HP to run faster than 4 mph, the maximum reactivity is necessary if you hit a buried snow drift or wetter snow patch to not bury and stall out. |

### Snow Application

Some operators are going to be running a rotary sweeper roll on the front for clearing the walkways further after passing with the snow blower. For this application it is recommended that the operator use a Cruise speed preset determined by the operator and the snow conditions. For a lower speed, a higher reactivity setting is recommended to avoid encounters with pedestrians who may walk in front of the snow removal equipment. For higher speeds, the operator will need to adjust reactivity to get the desired performance from the tractor. When the operator lets off the go pedal on a slick surface, the change in ratio could cause a skid. The lower reactivity setting helps avoid this but also results in a longer roll out to stop.