

Kubota BV5160 SC-14 vs.

**Vermeer
504 PRO G3**

Bale Chamber

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Summary

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SUMMARY

- The BV5160 has 3 large driven profiled formation rollers, self-cleaning scrapers, and 5 endless belts. The profiled formation rollers are designed to aggressively handle heavy wet silage. The 504 PRO G3 has one drive roller, one drum roller, one idler roller and one start roller along with 4 endless belts. The rollers have a smoother profile than the BV5160 and less aggressive in wet crop conditions to keep the bale turning.
- The BV5160 Intelligent Density System allows the operator to customize three bale zones for size and density from the tractor operator station. The 504 PRO G3 has a density control system through monitor.

PRODUCTIVITY

- The BV5160 bale chamber has increased capacity to handle all types of crops including heavy wet silage or dry hay. The BV5160 chamber design ensures positive bale starting, formation, and shape.

RELIABILITY

- The BV5160 has 3 large driven profiled formation rollers and self-cleaning scrapers which help provide instant bale formation and aggressively keep the bale turning in heavy wet conditions.

OPERATOR EXPERIENCE

- The BV5160 with Intelligent Density System allows the operator to customize the bale size and density to their specific needs.

PRO FRAMEWORK

Competitive Comparison

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[Net System](#)

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SUMMARY

- The BV5160 has the front mounted PowerBind net system with capacity to store 2 additional rolls of net wrap. When compared to the 504 PRO G3, the BV5160 net system is advantageous because the PowerBind system is front mounted whereas the 504 PRO G3 is rear mounted and only has the capacity to store 1 additional roll of net wrap.
- The PowerBind system is very close to the bale chamber and the net only moves a short distance. The net in the 504 PRO G3 has to travel down tailgate belts and into the bale chamber.

PRODUCTIVITY

- In the BV5160, the net is injected closer to the bale and results in quicker wrapping time.

RELIABILITY

- The simple design of the PowerBind system eliminates the possibility of net damage and adjustments.

OPERATOR EXPERIENCE

- The front mounted, easily loaded PowerBind system can be seen and monitored by the operator from the tractor seat.

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Pickup & Intake

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SUMMARY

- The BV5160 has a 5 bar, 86" pickup flare to flare with 155 tines and the 504 PRO G3 has a 5 bar, 78" wide flare to flare with 75 tines. The BV5160 and 504 PRO G3 balers come standard with hydraulic lift.
- Both balers have an undershot rotor intake. The BV5160 has 14 knives pre-chop system with a 2.75" cut length. The 504 PRO G3 has 17 knives with in-cab control that allows engagement of 0,8,9, or 17 knives.
- The BV5160 drop floor has a parallelogram drop design that allows increased space under front of rotor when floor is lowered hydraulically from the in-cab monitor. The 504 PRO G3 has a hydroflexcontrol floor that allows the floor to flex up and down. If the baler plugs, the floor has a conventional rear pivoting mechanism that is lowered hydraulically from the in-cab monitor.
- The BV5160 has an adjustable hitch compared to the 504 PRO G3 hitch which is not adjustable.

PRODUCTIVITY

- The BV5160 pickup has more width and curved tines compared to the 504 PRO G3 thus able to handle wider windrows and reduce crop loss even in light conditions.

RELIABILITY

- The heavy-duty BV5160 pickup with dual wheels and suspension allows it to follow the ground contour without damage.

OPERATOR EXPERIENCE

- The standard hydraulic lift on the BV5160 allows the operator to stay in the cab instead of having to stop and dismount tractor to lift or lower the pickup.
- The BV5160 drop floor is easily controlled from the tractor operating platform for efficient blockage clearance.
- The adjustable hitch on the BV5160 make it more adaptable to various tractors.

PRO FRAMEWORK

Competitive Comparison

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Drive Mechanism

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SUMMARY

- The BV5160 drive mechanism is heavy-duty with #100H (1.25" pitch) drive chains and high quality, large drive and idler rollers. An auto chain lube system and centralized grease banks are standard features. The major drives and adjustments are located outside the chassis. The 504 PRO G3 has a combination of roller chains in sizes #100, Double #80, and #60. It has an optional automatic chain lube system.

PRODUCTIVITY

- The BV5160 heavy-duty drives are capable of handling any type of crop including wet heavy silage.

RELIABILITY

- The BV5160 heavy-duty drives, centrally located grease banks, and standard auto chain lube system give longevity to the baler.

OPERATOR EXPERIENCE

- The BV5160 heavy-duty drive mechanism with standard auto chain lube system results in less downtime, maintenance, replacement parts, and operating costs.

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SUMMARY

The Kubota BV5160 comes standard with numerous PRO features such as a variable chamber with Intelligent Density System, high-capacity heavy-duty 86" pickup with hydraulic pickup, undershot rotor intake with 14 knife cutting system, parallelogram drop floor, PowerBind net system, and a heavy-duty drive mechanism which makes the BV5160 high performing in both silage and dry hay applications.

The standard 504 PRO G3 base model has a less robust pickup and roller profile. Also, it has a rear mounted net system that is difficult to monitor which is not as operator friendly when compared to the BV5160.

In conclusion, the Kubota BV5160 has more value reflected in its PRO features and benefits compared to the standard 504 PRO G3 model.