



Better soils. Better crops. Better stock.™

BioAg Fertility Program **– Viticulture**

BioAg Fertility Programs produce living, healthy and balanced soils and vines. Each program is custom made for each block using advanced soil and tissue analysis. These integrated programs typically incorporate a range of BioAg solid and liquid nutrients, often in association with conventional inputs. BioAg Fertility Programs can be developed to meet BFA certification requirements for organic producers. A standard BioAg Fertility Program for viticulture is outlined overleaf.

By following a BioAg Fertility Program you will obtain greater grape yields of consistently high quality, improved colour classification for reds and the ability to reach target baumes earlier. A BioAg program will help reduce your dependence on fungicides and insecticides, reducing the possibility of delayed harvesting due to withholding periods. Irrigation intervals will be stretched and water use efficiency improved due to the greater root mass of the vines and the soil having a superior water holding capacity. The occurrence of root diseases will be limited. BioAg presents a sustainable approach to viticulture, delivering long-term fertility.



**For more information,
phone 1300 599 911 or visit www.bioag.com.au**

Time	Products	Comments	Application details	
Pre-bud burst	BioAgPhos® Lime (if required) Potassium sulphate (if required)	BioAgPhos and lime provide the two most important nutrients for plant growth – phosphate (regulation within the plant and nutrient uptake) and calcium (growth and reproduction energy).	<ul style="list-style-type: none"> • Annual application using a belt spreader into vine rows • BioAgPhos: 350–450 kg/ha • Lime: 400–500 kg/ha • Potassium sulphate: 20–40 kg/ha (if required) 	
	BioAg Sulphate of Ammonia	BioAg Sulphate of Ammonia is a cost-effective source of nitrogen and sulphur and is ideal for use in biological farming systems.	<ul style="list-style-type: none"> • Annual application using a belt spreader into vine rows • Apply at 100–160 kg/ha 	
	BioAg Soil & Seed®	BioAg Soil & Seed is a liquid microbial culture that is applied through the irrigation system. It should be applied each time a foliar product is applied for best response.	<ul style="list-style-type: none"> • Apply at 6–10 L/ha by running in with irrigation water (drip, furrow or low level spray systems). • Alternatively, spray onto soil using a boom spray. 	
Bud burst (2 applications, 21 days apart)	BioAg Balance & Grow® BioAg Soil & Seed Micronutrients	BioAg Balance & Grow is a liquid microbial culture that is applied to the plant's foliage. Micronutrients (e.g. molybdenum, boron, silica, manganese, magnesium and a range of vitamins) may be added if needed.	Soil Application: <ul style="list-style-type: none"> • BioAg Soil & Seed: 1–1.5 L/ha • Calcium nitrate: 10–20 kg/ha 	Foliar Application: <ul style="list-style-type: none"> • BioAg Balance & Grow: 1.0–1.5 L/ha • Calcium nitrate: 5–10 kg/ha • Apply using conventional spray units or misters
Pre-flowering (2 applications, 14–21 days apart)	BioAg Balance & Grow BioAg Soil & Seed Calcium nitrate Micronutrients	Calcium nitrate may be added if needed.	Soil Application: <ul style="list-style-type: none"> • BioAg Soil & Seed: 1–1.5 L/ha • Calcium nitrate: 10–20 kg/ha 	Foliar Application: <ul style="list-style-type: none"> • BioAg Balance & Grow: 1.5–2.0 L/ha • Calcium nitrate: 5–10 kg/ha • Apply using conventional spray units or misters
Setting (2 applications, 14–21 days apart)	BioAg Balance & Grow BioAg Soil & Seed Calcium nitrate Micronutrients	As above	Soil Application: <ul style="list-style-type: none"> • BioAg Soil & Seed: 1–1.5 L/ha • Calcium nitrate: 10–20 kg/ha 	Foliar Application: <ul style="list-style-type: none"> • BioAg Balance & Grow: 1.5–2.5 L/ha • Calcium nitrate: 5–10 kg/ha • Apply using conventional spray units or misters
Pre-veraison (2–3 applications, 14–21 days apart)	BioAg Fruit & Balance BioAg Soil & Seed MAP Micronutrients	BioAg Fruit & Balance is a liquid microbial culture that is applied to the plant's foliage during fruiting.	Soil Application: <ul style="list-style-type: none"> • BioAg Soil & Seed: 1–1.5 L/ha • MAP: 5–10 kg/ha 	Foliar Application: <ul style="list-style-type: none"> • BioAg Fruit & Balance: 1.5–3.0 L/ha • Apply using conventional spray units or misters
Post harvest	BioAg Soil & Seed Calcium nitrate Micronutrients	Calcium nitrate post harvest provides calcium to keep roots and vines growing, providing relief from post-harvest shock.	<ul style="list-style-type: none"> • BioAg Soil & Seed: 3–4 L/ha • Calcium nitrate: 10–15 kg/ha 	